

## Datasheet for ABIN7555867 TRPM2 Protein (AA 1-1503) (His tag)



Overview

| Quantity:                     | 1 mg   |
|-------------------------------|--|
| Target:                       | TRPM2  |
| Protein Characteristics:      | AA 1-1503                                    |
| Origin:                       | Human  |
| Source:                       | HEK-293 Cells                                |
| Protein Type:                 | Recombinant                                  |
| Purification tag / Conjugate: | This TRPM2 protein is labelled with His tag. |

## Product Details

| Purpose:  | Custom-made recombinant TRPM2 Protein expressed in mammalian cells. |
|-----------|---|
| Sequence: | MEPSALRKAG SEQEEGFEGL PRRVTDLGMV SNLRRSNSSL FKSWRLQCPF GNNDKQESLS   |
|           | SWIPENIKKK ECVYFVESSK LSDAGKVVCQ CGYTHEQHLE EATKPHTFQG TQWDPKKHVQ   |
|           | EMPTDAFGDI VFTGLSQKVK KYVRVSQDTP SSVIYHLMTQ HWGLDVPNLL ISVTGGAKNF   |
|           | NMKPRLKSIF RRGLVKVAQT TGAWIITGGS HTGVMKQVGE AVRDFSLSSS YKEGELITIG   |
|           | VATWGTVHRR EGLIHPTGSF PAEYILDEDG QGNLTCLDSN HSHFILVDDG THGQYGVEIP   |
|           | LRTRLEKFIS EQTKERGGVA IKIPIVCVVL EGGPGTLHTI DNATTNGTPC VVVEGSGRVA   |
|           | DVIAQVANLP VSDITISLIQ QKLSVFFQEM FETFTESRIV EWTKKIQDIV RRRQLLTVFR   |
|           | EGKDGQQDVD VAILQALLKA SRSQDHFGHE NWDHQLKLAV AWNRVDIARS EIFMDEWQWK   |
|           | PSDLHPTMTA ALISNKPEFV KLFLENGVQL KEFVTWDTLL YLYENLDPSC LFHSKLQKVL   |
|           | VEDPERPACA PAAPRLQMHH VAQVLRELLG DFTQPLYPRP RHNDRLRLLL PVPHVKLNVQ   |
|           | GVSLRSLYKR SSGHVTFTMD PIRDLLIWAI VQNRRELAGI IWAQSQDCIA AALACSKILK   |
|           | ELSKEEEDTD SSEEMLALAE EYEHRAIGVF TECYRKDEER AQKLLTRVSE AWGKTTCLQL   |

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|                  | ALEAKDMKFV SHGGIQAFLT KVWWGQLSVD NGLWRVTLCM LAFPLLLTGL ISFREKRLQD   |
|------------------|---|
|                  | VGTPAARARA FFTAPVVVFH LNILSYFAFL CLFAYVLMVD FQPVPSWCEC AIYLWLFSLV   |
|                  | CEEMRQLFYD PDECGLMKKA ALYFSDFWNK LDVGAILLFV AGLTCRLIPA TLYPGRVILS   |
|                  | LDFILFCLRL MHIFTISKTL GPKIIIVKRM MKDVFFFLFL LAVWVVSFGV AKQAILIHNE   |
|                  | RRVDWLFRGA VYHSYLTIFG QIPGYIDGVN FNPEHCSPNG TDPYKPKCPE SDATQQRPAF   |
|                  | PEWLTVLLLC LYLLFTNILL LNLLIAMFNY TFQQVQEHTD QIWKFQRHDL IEEYHGRPAA   |
|                  | PPPFILLSHL QLFIKRVVLK TPAKRHKQLK NKLEKNEEAA LLSWEIYLKE NYLQNRQFQQ   |
|                  | KQRPEQKIED ISNKVDAMVD LLDLDPLKRS GSMEQRLASL EEQVAQTAQA LHWIVRTLRA   |
|                  | SGFSSEADVP TLASQKAAEE PDAEPGGRKK TEEPGDSYHV NARHLLYPNC PVTRFPVPNE   |
|                  | KVPWETEFLI YDPPFYTAER KDAAAMDPMG DTLEPLSTIQ YNVVDGLRDR RSFHGPYTVQ   |
|                  | AGLPLNPMGR TGLRGRGSLS CFGPNHTLYP MVTRWRRNED GAICRKSIKK MLEVLVVKLP   |
|                  | LSEHWALPGG SREPGEMLPR KLKRILRQEH WPSFENLLKC GMEVYKGYMD DPRNTDNAWI   |
|                  | ETVAVSVHFQ DQNDVELNRL NSNLHACDSG ASIRWQVVDR RIPLYANHKT LLQKAAAEFG AHY   |
|                  | Sequence without tag. The proposed Purification-Tag is based on experiences with the  |
|                  | expression system, a different complexity of the protein could make another tag necessary.  |
|                  | In case you have a special request, please contact us.  |
| Specificity:     | If you are looking for a specific domain and are interested in a partial protein or a different                                     |
|                  | isoform, please contact us regarding an individual offer.   |
| Characteristics: | Key Benefits:   |
|                  | • Made to order protein - from design to production - by highly experienced protein experts.  |
|                  | Protein expressed in mammalian cells and purified in one-step affinity chromatography   |
|                  | <ul> <li>The optimized expression system ensures reliability for intracellular, secreted and<br/>transmembrane proteins.</li> </ul> |
|                  | <ul> <li>State-of-the-art algorithm used for plasmid design (Gene synthesis).</li> </ul>  |
|                  | This protein is a made-to-order protein and will be made for the first time for your order. Our                                     |
|                  | experts in the lab try to ensure that you receive soluble protein.  |
|                  |   |
|                  | If you are not interested in a full length protein, please contact us for individual protein  |
|                  | fragments.  |
|                  | The big advantage of ordering our made-to-order proteins in comparison to ordering custom   |
|                  | made proteins from other companies is that there is no financial obligation in case the protein                                     |
|                  | cannot be expressed or purified.  |
| Purity:          | > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)                                       |
| Grade:           |   |
| Grade:           | custom-made   |

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| Forgot:           |   |
|-------------------|---|
| Farget:           | TRPM2   |
| Alternative Name: | TRPM2 (TRPM2 Products)  |
| Background:       | Transient receptor potential cation channel subfamily M member 2 (Estrogen-responsive         |
|                   | element-associated gene 1 protein) (Long transient receptor potential channel 2) (LTrpC-2)    |
|                   | (LTrpC2) (Transient receptor potential channel 7) (TrpC7) (Transient receptor potential       |
|                   | melastatin 2),FUNCTION: [Isoform 1]: Nonselective, voltage-independent cation channel that    |
|                   | mediates Na(+) and Ca(2+) influx, leading to increased cytoplasmic Ca(2+) levels              |
|                   | (PubMed:11960981, PubMed:12594222, PubMed:11385575, PubMed:11509734,                          |
|                   | PubMed:11804595, PubMed:15561722, PubMed:16601673, PubMed:19171771,                           |
|                   | PubMed:20660597, PubMed:25620041, PubMed:27383051, PubMed:27068538,                           |
|                   | PubMed:28775320, PubMed:29745897, PubMed:30467180). Functions as a ligand-gated ion           |
|                   | channel (PubMed:19171771, PubMed:25620041, PubMed:28775320, PubMed:30467180).                 |
|                   | Binding of ADP-ribose to the cytoplasmic Nudix domain causes a conformation change, the       |
|                   | channel is primed but still requires Ca(2+) binding to trigger channel opening                |
|                   | (PubMed:19171771, PubMed:25620041, PubMed:28775320, PubMed:29745897,                          |
|                   | PubMed:30467180). Extracellular calcium passes through the channel and increases channel      |
|                   | activity (PubMed:19171771). Contributes to Ca(2+) release from intracellular stores in respon |
|                   | to ADP-ribose (PubMed:19454650). Plays a role in numerous processes that involve signaling    |
|                   | via intracellular Ca(2+) levels (Probable). Besides, mediates the release of lysosomal Zn(2+) |
|                   | stores in response to reactive oxygen species, leading to increased cytosolic Zn(2+) levels   |
|                   | (PubMed:25562606, PubMed:27068538). Activated by moderate heat (35 to 40 degrees              |
|                   | Celsius) (PubMed:16601673). Activated by intracellular ADP-ribose, beta-NAD (NAD(+)) and      |
|                   | similar compounds, and by oxidative stress caused by reactive oxygen or nitrogen species      |
|                   | (PubMed:11960981, PubMed:11385575, PubMed:11509734, PubMed:11804595,                          |
|                   | PubMed:15561722, PubMed:16601673, PubMed:19171771, PubMed:25620041,                           |
|                   | PubMed:27383051, PubMed:27068538, PubMed:30467180). The precise physiological                 |
|                   | activators are under debate, the true, physiological activators may be ADP-ribose and ADP-    |
|                   | ribose-2'-phosphate (PubMed:20650899, PubMed:25918360). Activation by ADP-ribose and          |
|                   | beta-NAD is strongly increased by moderate heat (35 to 40 degrees Celsius)                    |
|                   | (PubMed:16601673). Likewise, reactive oxygen species lower the threshold for activation by    |
|                   | moderate heat (37 degrees Celsius) (PubMed:22493272). Plays a role in mediating behavoria     |
|                   | and physiological responses to moderate heat and thereby contributes to body temperature      |
|                   | homeostasis. Plays a role in insulin secretion, a process that requires increased cytoplasmic |
|                   | Ca(2+) levels (By similarity). Required for normal IFNG and cytokine secretion and normal     |

innate immune immunity in response to bacterial infection. Required for normal phagocytosis

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| eell differentiation and maturation, and in dendritic cell chemotaxis via its role in regulating         eytoplasmic Ca(2+) levels (By similarity). Plays a role in the regulation of the reorganization of         the actin cytoplakeleton and flippodia formation in response to reactive oxygen species via its         role in increasing cytoplasmic Ca(2+) and Zr(2+) levels (PubMed:12504222, PubMed:25562606).         (EC0:0000250] PubMed:11509724, EC0:0000269] PubMed:1135575,         EC0:0000269] PubMed:1156722, EC0:0000269] PubMed:1135575,         EC0:0000269] PubMed:1156722, EC0:0000269] PubMed:12594222, PubMed:2556266,         EC0:0000269] PubMed:115561722, EC0:0000269] PubMed:19454650,         EC0:0000269] PubMed:27080538, EC0:0000269] PubMed:25652606,         EC0:0000269] PubMed:27080538, EC0:0000269] PubMed:25918360,         EC0:0000269] PubMed:27080538, EC0:0000269] PubMed:2708057,         EC0:0000269] PubMed:27080538, EC0:0000269] PubMed:27080507,         EC0:0000269] PubMed:27080508, EC0:0000269] PubMed:27080507,         EC0:0000269] PubMed:27080508, EC0:0000269] PubMed:27080507,         EC0:00000269] PubMed:27080508, EC0:00000269] PubMed:27080507,     <   |                     | and cytokine release by macrophages exposed to zymosan (in vitro). Plays a role in dendritic        |
|--|---------------------|---|
| the actin cytoskleton and flopodia formation in response to reactive oxygen species via its role in increasing cytoplasmic Ca(2+) and Zn(2+) levels (PubMed 27068538). Confers susceptibility to cell death following oxidative stress (PubMed 12594222, PubMed:25562606). (ECO:0000250]PubMed:11509734, ECO:0000269]PubMed:1180595, ECO:0000269]PubMed:1180595, ECO:0000269]PubMed:11509734, ECO:0000269]PubMed:11804595, ECO:0000269]PubMed:11601673, ECO:0000269]PubMed:1601673, ECO:0000269]PubMed:1601673, ECO:0000269]PubMed:191454550, ECO:0000269]PubMed:191454550, ECO:0000269]PubMed:226060597, ECO:0000269]PubMed:2562006, ECO:0000269]PubMed:25520041, ECO:0000269]PubMed:25562066, ECO:0000269]PubMed:25620041, ECO:0000269]PubMed:25582066, ECO:0000269]PubMed:25620041, ECO:0000269]PubMed:25582064, ECO:0000269]PubMed:25682064, ECO:0000269]PubMed:27383051, ECO:0000269]PubMed:1196981), FUNCTION! [Isoform 3]: Lacks cation channel activity and negatively regulates the channel activity of Isoform 1. Negatively regulates susceptibility to cell death in reposponse to oxidative stress. (ECO:0000269]PubMed:12594222).         Molecular Weight:       171.2 kDa        UniProt:       094759         Application Details       Ve expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.< |                     | cell differentiation and maturation, and in dendritic cell chemotaxis via its role in regulating    |
| role in increasing cytoplasmic Ca(2+) and Zn(2+) levels (PubMed:27068538). Confers         susceptibility to cell death following oxidative stress (PubMed:12594222, PubMed:25562606).         (EC0:0000250]PubMed:11509734, EC0:0000269]PubMed:11380575,         EC0:0000269]PubMed:11561722, EC0:0000269]PubMed:113804595,         EC0:0000269]PubMed:11561722, EC0:0000269]PubMed:12594222,         EC0:0000269]PubMed:119171771, EC0:0000269]PubMed:12594222,         EC0:0000269]PubMed:19171771, EC0:0000269]PubMed:1954650,         EC0:0000269]PubMed:2493272, EC0:0000269]PubMed:2562606,         EC0:0000269]PubMed:2493272, EC0:0000269]PubMed:27938301,         EC0:0000269]PubMed:28775320, EC0:0000269]PubMed:27945937,         EC0:0000269]PubMed:28775320, EC0:0000269]PubMed:27945937,         EC0:0000269]PubMed:28775320, EC0:0000269]PubMed:27945937,         EC0:0000269]PubMed:28775320, EC0:0000269]PubMed:27945937,         EC0:0000269]PubMed:28775320, EC0:0000269]PubMed:27945937,         EC0:0000269]PubMed:11960981), FUNCTION: [Isoform 3]: Lacks cation channel         activity. Does not mediate cation transport in response to oxidative stress or ADP-ribose.         (EC0:0000269]PubMed:11960981, FUNCTION: [Isoform 3]: Lacks cation channel         activity. Does not mediate cation transport in response to oxidative stress or ADP-ribose.         (EC0:0000269]PubMed:12594222).         Molecular Weight:       171 2 kDa         uniProt:       094759   |                     | cytoplasmic Ca(2+) levels (By similarity). Plays a role in the regulation of the reorganization of  |
| susceptibility to cell death following oxidative stress (PubMed:12594222, PubMed:25562606).         (EC0.0000250]/LinProtKB.091YD4, EC0.0000269]PubMed:11804595,         EC0.0000269]PubMed:11509734, EC0.0000269]PubMed:11804595,         EC0.0000269]PubMed:15561722, EC0.0000269]PubMed:1561673,         EC0.0000269]PubMed:1217717, EC0.0000269]PubMed:15562666,         EC0.0000269]PubMed:22493272, EC0.0000269]PubMed:25526266,         EC0.0000269]PubMed:22602041, EC0.0000269]PubMed:25526266,         EC0.0000269]PubMed:22602041, EC0.0000269]PubMed:25526266,         EC0.0000269]PubMed:22602041, EC0.0000269]PubMed:25526266,         EC0.0000269]PubMed:22602041, EC0.0000269]PubMed:25526266,         EC0.0000269]PubMed:26600957,         EC0.0000269]PubMed:27068538, EC0.0000269]PubMed:27383051,         EC0.0000269]PubMed:27068538, EC0.0000269]PubMed:2745897,         EC0.0000269]PubMed:27068538, EC0.0000269]PubMed:2745897,         EC0.0000269]PubMed:1160981), FUNCTION: [Isoform 2]: Lacks cation channel         activity. Does not mediate cation transport in response to oxidative stress or ADP-ribose.         (EC0.0000269]PubMed:11960981), FUNCTION: [Isoform 1]: Lacks cation channel activity of isoform 1. Negatively regulates susceptibility to cell         death in reposponse to oxidative stress. (EC0.0000269]PubMed:12594222).         Molecular Weight:       171.2 kDa         Application Details       Ve expect the protein to work for functional studies. As the protein has not been tested for func  |                     | the actin cytoskeleton and filopodia formation in response to reactive oxygen species via its       |
| (EC0.0000250 UniProtKB:091YD4, EC0.0000269]PubMed:11385575,EC0.0000269]PubMed:11509734, EC0.0000269]PubMed:11254222,EC0.0000269]PubMed:15561722, EC0.0000269]PubMed:1554222,EC0.0000269]PubMed:15561722, EC0.0000269]PubMed:15640673,EC0.0000269]PubMed:19171771, EC0.0000269]PubMed:2562666,EC0.0000269]PubMed:22632041, EC0.0000269]PubMed:2562666,EC0.0000269]PubMed:2562041, EC0.0000269]PubMed:2562666,EC0.0000269]PubMed:2706838, EC0.0000269]PubMed:2562666,EC0.0000269]PubMed:2706838, EC0.0000269]PubMed:27383051,EC0.0000269]PubMed:2706838, EC0.0000269]PubMed:2745897,EC0.0000269]PubMed:2706838, EC0.0000269]PubMed:2745897,EC0.0000269]PubMed:2706838, EC0.0000269]PubMed:2745897,EC0.0000269]PubMed:2706838, EC0.0000269]PubMed:2745897,EC0.0000269]PubMed:1960981), FUNCTION: [Isoform 2]: Lacks cation channelactivity. Does not mediate cation transport in response to oxidative stress or ADP-ribose.(EC0.0000269]PubMed:1960981), FUNCTION: [Isoform 3]: Lacks cation channelactivity. Does not mediate cation transport in response to oxidative stress or ADP-ribose.(EC0.0000269]PubMed:1960981), FUNCTION: [Isoform 1. Negatively regulates susceptibility to celldeath in reposponse to oxidative stress. (ECC.0000269]PubMed:12594222).Molecular Weight:171.2 kDaApplication DetailsApplication DetailsApplication DetailsFor Research Use onlyHandlingFormat:LiquidBuffer:Ipu Juffer composition is at the discretion of the manufacturer.   |                     | role in increasing cytoplasmic Ca(2+) and Zn(2+) levels (PubMed:27068538). Confers                  |
| EC0:000269[PubMed:11509734, EC0:0000269[PubMed:11804595,<br>EC0:0000269[PubMed:12594222,<br>EC0:0000269[PubMed:15561722, EC0:0000269[PubMed:16601673,<br>EC0:0000269[PubMed:19171771, EC0:0000269[PubMed:19454650,<br>EC0:0000269[PubMed:2562606,<br>EC0:0000269[PubMed:2562606,<br>EC0:0000269[PubMed:2562606],<br>EC0:0000269[PubMed:2562606],<br>EC0:0000269[PubMed:2502041, EC0:0000269[PubMed:25918360,<br>EC0:0000269[PubMed:250383, EC0:0000269[PubMed:25918360,<br>EC0:0000269[PubMed:250383, EC0:0000269[PubMed:25918360,<br>EC0:0000269[PubMed:250383, EC0:0000269[PubMed:259383051,<br>EC0:0000269[PubMed:2502041, EC0:0000269[PubMed:27383051,<br>EC0:0000269[PubMed:25038, EC0:0000269[PubMed:27383051,<br>EC0:0000269[PubMed:25030, EC0:0000269[PubMed:27383051,<br>EC0:0000269[PubMed:25030, EC0:0000269[PubMed:27383051,<br>EC0:0000269[PubMed:25030, EC0:0000269]PubMed:2594229,<br>EC0:0000269[PubMed:2504583, EC0:0000269[PubMed:2594220,<br>EC0:0000269[PubMed:11660981], FUNCTION: [Isoform 3]: Lacks cation channel<br>activity. Does not mediate cation transport in response to oxidative stress or ADP-ribose.<br>(EC0:0000269[PubMed:11660981], FUNCTION: [Isoform 3]: Lacks cation channel activity and<br>negatively regulates the channel activity of isoform 1. Negatively regulates susceptibility to cell<br>death in reposponse to oxidative stress. (EC0:0000269[PubMed:12594222).Molecular Weight:171.2 kDaUniProt:094759Application DetailsWe expect the protein to work for functional studies. As the protein has not been tested for<br>functional studies yet we cannot offer a guarantee though.Restrictions:E or Research Use onlyHandlingFormat:LiquidItinetic composition is at the discretion of the manufacturer.  |                     | susceptibility to cell death following oxidative stress (PubMed:12594222, PubMed:25562606).         |
| EC0:000269 PubMed:11960981, EC0:0000269 PubMed:12594222,<br>EC0:0000269 PubMed:156172, EC0:0000269 PubMed:15601673,<br>EC0:0000269 PubMed:2050899, EC0:0000269 PubMed:25562606,<br>EC0:0000269 PubMed:255626041, EC0:0000269 PubMed:25562606,<br>EC0:0000269 PubMed:2502041, EC0:0000269 PubMed:25818360,<br>EC0:0000269 PubMed:2502041, EC0:0000269 PubMed:27383051,<br>EC0:0000269 PubMed:2673830, EC0:0000269 PubMed:29745897,<br>EC0:0000269 PubMed:2060035), FUNCTION: [Isoform 2]: Lacks cation channel<br>activity. Does not mediate cation transport in response to oxidative stress or ADP-ribose.<br>(EC0:0000269 PubMed:11960981), FUNCTION: [Isoform 3]: Lacks cation channel<br>activity. Does not mediate cation transport in response to oxidative stress or ADP-ribose.<br>(EC0:0000269 PubMed:11960981), FUNCTION: [Isoform 3]: Lacks cation channel<br>activity. Does not mediate cation transport in response to oxidative stress or ADP-ribose.<br>(EC0:0000269 PubMed:11960981), FUNCTION: [Isoform 3]: Lacks cation channel<br>activity. Does not mediate cation transport in response to oxidative stress or ADP-ribose.<br>(EC0:0000269 PubMed:11960981), FUNCTION: [Isoform 3]: Lacks cation channel<br>activity of isoform 1. Negatively regulates susceptibility to cell<br>death in reposponse to oxidative stress. {EC0:0000269 PubMed:12594222).   Molecular Weight: 171.2 kDa   UniProt: 094759   Application Details Ve expect the protein to work for functional studies. As the protein has not been tested for<br>functional studies yet we cannot offer a guarantee though.   Restrictions: For Research Use only   Handling   Format: Liquid   Iufer: The buffer composition is at the discretion of the manufacturer.  |                     | {ECO:0000250 UniProtKB:Q91YD4, ECO:0000269 PubMed:11385575,   |
| EC0.00002691PubMed:15561722, EC0.00002691PubMed:16601673,<br>EC0.00002691PubMed:20650899, EC0.00002691PubMed:20650597,<br>EC0.00002691PubMed:22493272, EC0.00002691PubMed:25562606,<br>EC0.00002691PubMed:25620041, EC0.00002691PubMed:25838051,<br>EC0.00002691PubMed:27086538, EC0.00002691PubMed:27383051,<br>EC0.00002691PubMed:2708538, EC0.00002691PubMed:27383051,<br>EC0.00002691PubMed:27086538, EC0.00002691PubMed:27383051,<br>EC0.00002691PubMed:2708538, EC0.00002691PubMed:27383051,<br>EC0.00002691PubMed:2708538, EC0.00002691PubMed:27383051,<br>EC0.00002691PubMed:2708538, EC0.00002691PubMed:27383051,<br>EC0.00002691PubMed:2708538, EC0.00002691PubMed:27383051,<br>EC0.00002691PubMed:2708538, EC0.00002691PubMed:27383051,<br>EC0.00002691PubMed:2708538, EC0.00002691PubMed:27383051,<br>EC0.00002691PubMed:11960981), FUNCTION: [Isoform 3]: Lacks cation channel<br>activity. Does not mediate cation transport in response to oxidative stress or ADP-ribose.<br>(EC0.00002691PubMed:11960981), FUNCTION: [Isoform 3]: Lacks cation channel<br>activity regulates the channel activity of Isoform 1. Negatively regulates susceptibility to cell<br>death in reposponse to oxidative stress. (EC0.00002691PubMed:12594222).Molecular Weight:171.2 kDaUniProt:094759Application DetailsVe expect the protein to work for functional studies. As the protein has not been tested for<br>functional studies yet we cannot offer a guarantee though.Restrictions:For Research Use onlyHandlingFormat:LiquidEngreenLiquidBuffer:Useffer composition is at the discretion of the manufacturer.   |                     | ECO:0000269 PubMed:11509734, ECO:0000269 PubMed:11804595,   |
| EC0.0000269 PubMed:1917/17, EC0.0000269 PubMed:29660597,<br>EC0.0000269 PubMed:2266009, EC0.0000269 PubMed:2562606,<br>EC0.0000269 PubMed:2562001, EC0.0000269 PubMed:2581360,<br>EC0.0000269 PubMed:27086338, EC0.0000269 PubMed:27383051,<br>EC0.0000269 PubMed:27086338, EC0.0000269 PubMed:27383051,<br>EC0.0000269 PubMed:28775320, EC0.0000269 PubMed:27383051,<br>EC0.0000269 PubMed:28775320, EC0.0000269 PubMed:27383051,<br>EC0.0000269 PubMed:29745897,<br>EC0.0000269 PubMed:30467180, EC0.0000305), FUNCTION: [Isoform 2]: Lacks cation channel<br>activity. Does not mediate cation transport in response to oxidative stress or ADP-ribose.<br>(EC0.0000269 PubMed:11960981), FUNCTION: [Isoform 1]: Lacks cation channel activity of lacks ration channel<br>activity regulates the channel activity of lisoform 1. Negatively regulates susceptibility to cell<br>death in reposponse to oxidative stress. {EC0.0000269 PubMed:12594222}.Molecular Weight:094759UniProt:094759Application DetailsVe expect the protein to work for functional studies. As the protein has not been tested for<br>functional studies yet we cannot offer a guarantee though.Restrictions:For Research Use onlyHandlingFormat:LiguidRuffer:Liguid   |                     | ECO:0000269 PubMed:11960981, ECO:0000269 PubMed:12594222,   |
| ECC:0000269 PubMed:20650899, ECC:0000269 PubMed:2566266,<br>ECC:0000269 PubMed:25620041, ECO:0000269 PubMed:25562666,<br>ECO:0000269 PubMed:25620041, ECO:0000269 PubMed:25918360,<br>ECO:0000269 PubMed:27068538, ECO:0000269 PubMed:29745807,<br>ECO:0000269 PubMed:28775320, ECO:0000269 PubMed:29745897,<br>ECO:0000269 PubMed:17960383, ECO:0000269 PubMed:29745897,<br>ECO:0000269 PubMed:196030467180, ECO:0000305),, FUNCTION: [Isoform 2]: Lacks cation channel<br>activity. Does not mediate cation transport in response to oxidative stress or ADP-ribose.<br>(ECO:0000269 PubMed:1960981),, FUNCTION: [Isoform 3]: Lacks cation channel activity and<br>negatively regulates the channel activity of isoform 1. Negatively regulates susceptibility to cell<br>death in reposponse to oxidative stress. (ECO:0000269 PubMed:12594222).Molecular Weight:171.2 kDaUniProt:094759Application DetailsWe expect the protein to work for functional studies. As the protein has not been tested for<br>functional studies yet we cannot offer a guarantee though.Restrictions:For Research Use onlyHandlingFormat:LiquidBuffer:Liquid   |                     | ECO:0000269 PubMed:15561722, ECO:0000269 PubMed:16601673,   |
| EC0:000269 PubMed:22493272, EC0:000269 PubMed:25562606,<br>EC0:0000269 PubMed:25620041, EC0:0000269 PubMed:25918360,<br>EC0:0000269 PubMed:27068538, EC0:0000269 PubMed:27383051,<br>EC0:0000269 PubMed:28775320, EC0:0000269 PubMed:29745897,<br>EC0:0000269 PubMed:29745897,<br>EC0:0000269 PubMed:29745897,<br>EC0:0000269 PubMed:11960981,, FUNCTION: [Isoform 3]: Lacks cation channel<br>activity. Does not mediate cation transport in response to oxidative stress or ADP-ribose.<br>(EC0:0000269 PubMed:11960981,, FUNCTION: [Isoform 3]: Lacks cation channel activity and<br>negatively regulates the channel activity of isoform 1. Negatively regulates susceptibility to cell<br>death in reposponse to oxidative stress. (EC0:0000269 PubMed:12594222).Molecular Weight:171.2 kDaUniProt:094759Application Details:Ve expect the protein to work for functional studies. As the protein has not been tested for<br>functional studies yet we cannot offer a guarantee though.Restrictions:For Research Use onlyHandlingFormat:LiquidBuffer:Liquid   |                     | ECO:0000269 PubMed:19171771, ECO:0000269 PubMed:19454650,   |
| EC0.0000269 PubMed:25620041, EC0.0000269 PubMed:25918360,<br>EC0.0000269 PubMed:27088538, EC0.0000269 PubMed:27383051,<br>EC0.0000269 PubMed:28775320, EC0.0000269 PubMed:27383051,<br>EC0.0000269 PubMed:28775320, EC0.0000269 PubMed:29745897,<br>EC0.0000269 PubMed:30467180, EC0.0000305), FUNCTION: [Isoform 2]: Lacks cation channel<br>activity. Does not mediate cation transport in response to oxidative stress or ADP-ribose.<br>(EC0.0000269 PubMed:1960981), FUNCTION: [Isoform 3]: Lacks cation channel activity and<br>negatively regulates the channel activity of isoform 1. Negatively regulates susceptibility to cell<br>death in reposponse to oxidative stress. (EC0.0000269 PubMed:12594222).Molecular Weight:171.2 kDaUniProt:094759Application DetailsKestrictions:We expect the protein to work for functional studies. As the protein has not been tested for<br>functional studies yet we cannot offer a guarantee though.HandlingFormat:LiquidBuffer:Liquid   |                     | ECO:0000269 PubMed:20650899, ECO:0000269 PubMed:20660597,   |
| EC0:0000269 PubMed:27068538, EC0:0000269 PubMed:27383051,<br>EC0:0000269 PubMed:28775320, EC0:0000269 PubMed:29745897,<br>EC0:0000269 PubMed:30467180, EC0:0000305), FUNCTION: [Isoform 2]: Lacks cation channel<br>activity. Does not mediate cation transport in response to oxidative stress or ADP-ribose.<br>(EC0:0000269 PubMed:11960981), FUNCTION: [Isoform 3]: Lacks cation channel activity and<br>negatively regulates the channel activity of isoform 1. Negatively regulates susceptibility to cell<br>death in reposponse to oxidative stress. (EC0:0000269 PubMed:12594222).Molecular Weight:171.2 kDaUniProt:094759Application DetailsApplication Notes:We expect the protein to work for functional studies. As the protein has not been tested for<br>functional studies yet we cannot offer a guarantee though.HandlingFormat:LiquidBuffer:LiquidBuffer:The buffer composition is at the discretion of the manufacturer.  |                     | EC0:0000269 PubMed:22493272, EC0:0000269 PubMed:25562606,   |
| EC0:000269 PubMed:28775320, EC0:000269 PubMed:29745897,<br>EC0:0000269 PubMed:30467180, EC0:0000305)., FUNCTION: [Isoform 2]: Lacks cation channel<br>activity. Does not mediate cation transport in response to oxidative stress or ADP-ribose.<br>{EC0:0000269 PubMed:11960981},, FUNCTION: [Isoform 3]: Lacks cation channel activity and<br>negatively regulates the channel activity of isoform 1. Negatively regulates susceptibility to cell<br>death in reposponse to oxidative stress. (EC0:0000269 PubMed:12594222).Molecular Weight:171.2 kDaUniProt:094759Application DetailsVe expect the protein to work for functional studies. As the protein has not been tested for<br>functional studies yet we cannot offer a guarantee though.Restrictions:For Research Use onlyHandlingLiquidFormat:LiquidBuffer:The buffer composition is at the discretion of the manufacturer.  |                     | EC0:0000269 PubMed:25620041, EC0:0000269 PubMed:25918360,   |
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| activity. Does not mediate cation transport in response to oxidative stress or ADP-ribose.<br>(EC0:000269]PubMed:11960981)., FUNCTION: [Isoform 3]: Lacks cation channel activity and<br>negatively regulates the channel activity of isoform 1. Negatively regulates susceptibility to cell<br>death in reposponse to oxidative stress. (EC0:0000269]PubMed:12594222).Molecular Weight:171.2 kDaUniProt:094759Application DetailsVe expect the protein to work for functional studies. As the protein has not been tested for<br>functional studies yet we cannot offer a guarantee though.Restrictions:For Research Use onlyHandlingLiquidFormat:LiquidBuffer:The buffer composition is at the discretion of the manufacturer.   |                     | ECO:0000269 PubMed:28775320, ECO:0000269 PubMed:29745897,   |
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| death in reposponse to oxidative stress. {EC0:0000269 PubMed:12594222}.         Molecular Weight:       171.2 kDa         UniProt:       094759         Application Details  |                     | {ECO:0000269 PubMed:11960981}., FUNCTION: [Isoform 3]: Lacks cation channel activity and            |
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| UniProt:       094759         Application Details       Ve expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.         Restrictions:       For Research Use only         Handling       Liquid         Buffer:       The buffer composition is at the discretion of the manufacturer.   |                     | death in reposponse to oxidative stress. {ECO:0000269 PubMed:12594222}.                             |
| Application Details         Application Notes:       We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.         Restrictions:       For Research Use only         Handling       Iuquid         Format:       Liquid         Buffer:       The buffer composition is at the discretion of the manufacturer.   | Molecular Weight:   | 171.2 kDa   |
| Application Notes:       We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.         Restrictions:       For Research Use only         Handling       Iuquid         Format:       Liquid         Buffer:       The buffer composition is at the discretion of the manufacturer.   | UniProt:            | 094759  |
| functional studies yet we cannot offer a guarantee though.         Restrictions:       For Research Use only         Handling         Format:       Liquid         Buffer:       The buffer composition is at the discretion of the manufacturer.  | Application Details |   |
| Restrictions:       For Research Use only         Handling   | Application Notes:  | We expect the protein to work for functional studies. As the protein has not been tested for        |
| Handling         Format:       Liquid         Buffer:       The buffer composition is at the discretion of the manufacturer.   |                     | functional studies yet we cannot offer a guarantee though.  |
| Format:       Liquid         Buffer:       The buffer composition is at the discretion of the manufacturer.  | Restrictions:       | For Research Use only   |
| Buffer: The buffer composition is at the discretion of the manufacturer.   | Handling            |   |
| · · · · · · · · · · · · · · · · · · ·  | Format:             | Liquid  |
| Handling Advice: Avoid repeated freeze-thaw cycles.  | Buffer:             | The buffer composition is at the discretion of the manufacturer.                                    |
|  | Handling Advice:    | Avoid repeated freeze-thaw cycles.  |

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## Handling

| Storage:         | -80 °C          |
|------------------|-----------------|
| Storage Comment: | Store at -80°C. |
| Expiry Date:     | 12 months       |