

Datasheet for ABIN7563654
TRPM1 Protein (AA 1-1622) (His tag)



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Overview

Quantity:	1 mg
Target:	TRPM1
Protein Characteristics:	AA 1-1622
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TRPM1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Trpm1 Protein expressed in mammalian cells.
Sequence:	MGSMRKMSSS FKRGSIKSSST SGSQKGQKAW IEKTFCKREC IFVIPSTKDP NRCCCGQLTN QHIPPPLPSGA PSTTGEDTKQ ADTQSGKWSV SKHTQSYPTD SYGILEFQGG GYSNKAMYIR VSYDTKPDLS LHLNVKDWQL ELPKLLISVH GGLQSFEMQP KKKQVFGKGL IKAAMTTGAW IFTGGVSTGV VSHVGDALKD HSSKSRGRRLC AIGIAPWGMV ENKEDLIGKD VTRVYQTMSN PLSKLSVLNN SHTHFILADN GTLGKYGAEV KLRRQLEKHI SLQKINTRLG QGVPVGLVV EGGPNVVSIV LEYLKEDPPV PVVCDGSGR ASDILSFAHK YCDEGGVINE SLRDQLLVTI QKTFNYSKSQ SYQLFAIIME CMKKKELVTV FRMGSEGQDQ VEMAILTALL KGTHNASAPDQ LSLALAWNVR DIARSQIFVF GPHWPPLGSL APPVDTKATE KEKKPPTATT KGRGKGGKGG KGKVKKEEVVE ETDPRKLELL NWNNALEQAM LDALVLDLVD FVKLLIENGV NMQHFLTIPR LEELYNTRLG PPNTLHLLVR DVKKSNNLPPD YHISLIDIGL VLEYLMGGAY RCNYTRKSFR TLYNNLFGPK RPKALKLLGM EDDEPPAKGK KKKKKKKKEE IDIDVDDPAV SRFQYPFHEL

MVWAVLMKRQ KMAVFLWQRG EECMAKALVA CKLYKAMAHE SSESELVDDI SQDLNNSKD
FGQLAVELLD QSYKHDEQVA MKLLTYELKN WSNSTCLKLA VAAKHRDFIA HTCSQMLLTD
MWMGRLRMRK NPGLKVIMGI LIPPTILFLE FRTYDDFSYQ TSKENEDGKE KEEENVNANA
DAGSRKGDEE NEHKKQRSIP IGTKICEFYN APIVKFWFYT ISYLGyllLF NYVILVRMDG
WPSPQEWIVI SYIVSLALEK IREILMSEPG KLSQKIKVWL QEYWNITDLV AISMFVMGAI
LRLQSQPYMG YGRVIYCVDI ILWYIRVLDI FGVNKLGPY VMMIGKMMID MLYFVVMILV
VLMSFGVARQ AILHPEEKPS WKLARNIFYM PYWMIYGEVF ADQIDLYAME INPPCGENLY
DEEGKRLPPC IPGAWLTPAL MACYLLVANI LLVNLLIAVF NNTFFEVKSI SNQVWKFQRY
QLIMTFHDRP VLPPPMIILS HIYIIIMRLS GRCRKKREGD QEERDRGLKL FLSDEELKKL
HEFEEQCVQE HFREKEDEQQ SSSDERIRVT SERVENMSMR LEEINERENF MKTSLQTVDL
RLSQLEELSG RMVSALENLA GIDRSDLIQA RSRASSECEA TYLLRQSSIN SADGYSLYRY
HFNGEELLFE EPALSTSPGT AFRKKTYSFR VKDEDAKSHL DQPSNLHHTP GPSPPATPGR
SRLALEGPLS TELRPGSDPG ISAGEFDpra DFKSTEAAPS LNAAGVTGTQ LTVESTDSHP
LRESKLVRY Y PGDPNTYKTM KSRSFVYTEG RKLVRGLSNW SAEYSSIMDQ AWNATEWRCQ
VQRITRSRST DIPYIVSEAA SQDELEDEHR GSLLDPQISR SALTVSDRPE KENLLSVKPH
QTLGFPCRLS RSLHGRPRSA EPAPSKLDRA GHASSTSNLA VMSVVPEGQN TQQEKRSAET EC

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.

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
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

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, Western Blot

Product Details

Grade: custom-made

Target Details

Target: TRPM1

Alternative Name: Trpm1 ([TRPM1 Products](#))

Background: Transient receptor potential cation channel subfamily M member 1 (Long transient receptor potential channel 1) (LTrpC1) (Melastatin-1),FUNCTION: Forms nonselective divalent cation-conducting channels which mediate the influx of Na(+), Ca(2+), Mg(2+), Mn(2+), Ba(2+), and Ni(2+) into the cytoplasm, leading to membrane depolarization (By similarity). Impermeable to zinc ions (By similarity). In addition, forms heteromultimeric ion channels with TRPM3 which are permeable for calcium and zinc ions (By similarity). Essential for the depolarizing photoresponse of retinal ON bipolar cells. It is part of the GRM6 signaling cascade. Calcium channel which may play a role in metastasis suppression. May act as a spontaneously active, calcium-permeable plasma membrane channel. {ECO:0000250|UniProtKB:Q7Z4N2, ECO:0000269|PubMed:19861548, ECO:0000269|PubMed:19966281, ECO:0000269|PubMed:9537257}.

Molecular Weight: 183.5 kDa

UniProt: [Q2TV84](#)

Application Details

Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for 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.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Handling

Expiry Date: 12 months