

Datasheet for ABIN7565199

TRPC2 Protein (AA 1-1172) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	TRPC2
Protein Characteristics:	AA 1-1172
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TRPC2 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Trpc2 Protein expressed in mammalian cells.
Sequence:	<p>MLMSRTDSKS GKNRSGVRMF KDGDFTLPAS GESWDRLRLT CSQPFTRHQS FGLAFLRVRS</p> <p>SLGSLADPVV DPSAPGSSGL NQNSTDVLES DPRPWLTNPS IRRFFPDQP TSTKEISELK</p> <p>GMLKQLQPGP LGRAARMVLS AARKAPPASV VSPNNSHGEP GPSRAESAEP RAEENRKT</p> <p>VGRRKRRKVQ EPRRSLNSS SQPNRRTGRT RQRQHRPQTK SDDGGVQAAG QCPICAGFFS</p> <p>IETLPQHAAT CGESPPPQPA SPASLSSSES VLRHHVALT PVPLVPKPQP NWTEIVNKKL</p> <p>KFPPTLLRAI QEQQLGLVQQ LLESSDASG AGPGGPLRNV EESEDRSWRE ALNLAIRLGH</p> <p>EVITDVLLAN VKFDFRQIHE ALLVAVDTNQ PAVVRLLAR LEREKGRKVD TKSFSLAFFD</p> <p>SSIDGSRFAP GVTPLTLACQ KDLYEIAQLL MDQGHTIARP HPVSCACLEC SNARRYDLLK</p> <p>FSLSRINTYR GIASRAHLSL ASEDAMLAFF QLSRELRLA RKEPEFKPQY IALESLCQDY</p> <p>GFELGMCORN QSEVTAVLND LGEDSETEPE AEGLGQAFEE GIPNLARLRL AVNYNQKQFV</p> <p>AHPICQQVLS SIWCGNLAGW RGSTTIWKLF VAFLIFLTMP FLCIGYWLAP KSQLGRLLKI</p>

PVLKFLHSA SYLWFLIFLL GESLVMETQL STFKGRSQSV WETSLHMIWV TGFLWFECKE
VWIEGLRSYL LDWWNFLDVV ILSLYLASFA LRLLAGLAY MHCRDASDST TCRYFTTAER
SEWRTEDPQF LAEVLFAVTS MLSFTRLAYI LPAHESLGTQ QISIGKMIDD MIRFMFILMI
ILTAFLCGLN NIYVPYQES KLGNFNETFQ FLFWTMFGME EHTVVDMPQF LVPEFVGRAM
YGIFTIVMVI VLLNMLIAM TNSFQKIEDD ADVEWKFARS KLYLSYFREG LTLPVPFNIL
PSPKAAFYLV RRIFRFLCCG SSCCKAKKSD YPIGTFTNP GARAGSAGEG ERVSYRLRVI
KALVQRYIET ARREFEETRR KDLGNRLTEL TKTVSRLQSE VASVQKNLAA GGAPRPPDGA
SILSRITRV RNSFQNLGPP TSDTPAELTM PGIVETEVS LGDLDGTGEA GAPAPGEPGS
SSSAHVLVHR EQEAGSGDL LLEGDLETKG ES

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:	<p>Key Benefits:</p> <ul style="list-style-type: none">• 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). <p>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.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>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.</p>
------------------	---

Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
Grade:	custom-made

Target Details

Target:	TRPC2
Alternative Name:	Trpc2 (TRPC2 Products)
Background:	Short transient receptor potential channel 2 (TrpC2) (Transient receptor protein 2) (TRP-2)

Target Details

(mTrp2),FUNCTION: Thought to form a receptor-activated non-selective calcium permeant cation channel. Probably is operated by a phosphatidylinositol second messenger system activated by receptor tyrosine kinases or G-protein coupled receptors. May also be activated by intracellular calcium store depletion. Plays a role in mediating responsivity to pheromones that elicit aggressive and mating behaviors. Required for response to the Esp1 pheromone which enhances female sexual receptive behavior and to the Esp22 pheromone which inhibits adult male mating behavior. {ECO:0000269|PubMed:11823606, ECO:0000269|PubMed:11972034, ECO:0000269|PubMed:20596023, ECO:0000269|PubMed:24089208}.

Molecular Weight: 130.5 kDa

UniProt: [Q9R244](#)

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.

Expiry Date: 12 months