

Datasheet for ABIN7555856
TRPC4 Protein (AA 1-977) (His tag)



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Overview

Quantity:	1 mg
Target:	TRPC4
Protein Characteristics:	AA 1-977
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TRPC4 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant TRPC4 Protein expressed in mammalian cells.
Sequence:	MAQFYKRNV NPYRDRIPL RIVRAEELS PSEKAYLNAV EKGDYASVKK SLEEAEIYFK ININCIDPLG RTALLIAIEN ENLELIELLL SFNVYVGDAL LHAIRKEVVG AVELLLNHKK PSGEKQVPI LLDKQFSEFT PDITPIILAA HTNNYEIILK LVQKGVSVPR PHEVRCNCVE CVSSSDVDSL RHSRSLNIY KALASPSLIA LSSEDPLTA FQLSWELQEL SKVENEFKSE YEELSRQCKQ FAKDLLDQTR SSRELEIILN YRDDNSLIEE QSGNDLARK LAIKYRQKEF VAQPNCQQLL ASRWYDEFPG WRRRHWAVKM VTCFIIGLLF PVFSVCYLIA PKSPLGLFIR KPFIKFICHT ASYLTFLFLL LLASQHIDRS DLNRQGPPT IVEWMILPWV LGFIWGEIKQ MWDGGLQDYI HDWWNLMDFV MNSLYLATIS LKIVAFVKYS ALNPRESWDM WHPTLVAEAL FAIANIFSSL RLISLFTANS HLGPLQISLG RMLLDILKFL FIYCLVLLAF ANGLNQLYFY YEETKGLTCK GIRCEKQNN A FSTLFETLQS LFWSIFGLIN LYVTNVKAQH EFTEFVGATM FGTYNVISLV VLLNMLIAMM NNSYQLIADH ADIEWKFART KLWMSYFEEG GTLPTPFNVI PSPKSLWYLI KWIWTHLCKK KMRRKPESFG TIGRRAADNL RRHHQYQEV M RNLVKRYVAA MIRDAKTEEG

Product Details

LTEENFKELK QDISSFRFEV LGLLRGSKLS TIQSANASKE SSNSADSDEK SDSEGNKSKDK
KKNFSLFDLT TLIHPRSAAI ASERHNSING SALVVQEPPR EKQRKVNFTV DIKNFGLFHR
RSKQNAAEQN ANQIFSVSEE VARQQAAGPL ERNIQLESRG LASRGDLSIP GLSEQCVLVD
HRERNTDTLG LQVGKRVCPF KSEKVVVEDT VPIIPKEKHA KEEDSSIDYD LNLPDVTHE
DYVTTRL **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
- 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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade: custom-made

Target Details

Target: TRPC4

Alternative Name: TRPC4 ([TRPC4 Products](#))

Background: Short transient receptor potential channel 4 (TrpC4) (Trp-related protein 4) (hTrp-4) (hTrp4),FUNCTION: Forms a receptor-activated non-selective calcium permeant cation channel. Acts as a cell-cell contact-dependent endothelial calcium entry channel. Probably operated by a phosphatidylinositol second messenger system activated by receptor tyrosine kinases or G-

Target Details

protein coupled receptors. Mediates cation entry, with an enhanced permeability to barium over calcium. May also be activated by intracellular calcium store depletion.
{ECO:0000269|PubMed:16144838, ECO:0000269|PubMed:19996314}.

Molecular Weight: 112.1 kDa

UniProt: [Q9UBN4](#)

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

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