

Datasheet for ABIN7565141
TRPC5 Protein (AA 1-975) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	TRPC5
Protein Characteristics:	AA 1-975
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TRPC5 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Trpc5 Protein expressed in mammalian cells.
Sequence:	MAQLYYKKVN YSPYRDRIPL QIVRAETELS AEEKAFLSAV EKGDYATVKQ ALQEA EIYYN VNINCMDPLG RSALLIAIEN ENLEIMELLL NHSVYVGDAL LYAIRKEVVG AVELLLSYRK PSGEKQVPTL MMDTQFSEFT PDITPIMLAA HTNNEYI IKL LVQKRVTIPR PHQIRCNCVE CVSSSEVDSL RHSRSLNIY KALASPSLIA LSSDPILTA FRLGWELKEL SKVENEFKAE YEELSQQCKL FAKDLLDQAR SSRELEIILN HRDDHSEELD PQKYHDLAKL KVAIKYHQKE FVAQPNCQQL LATLWYDGFP GWRRKHVVVK LLTCMTIGFL FPMLSIAYLI SPRSNLGLFI KKPFIKFICH TASYLTFLFM LLLASQHIVR TDLHVQGPPP TVVEWMILPW VLGFIWGEIK EMWDGGFTEY IHDWWNLMDF AMNSLYLATI SLKIVAYVKY NGSRPREEWE MWHPTLIAEA LFAISNILSS LRLISLFTAN SHLGPLQISL GRMLLDILKF LFIYCLVLLA FANGLNQLYF YYETRAIDEP NNCKGIRCEK QNNAFSTLFE TLQSLFWSVF GLLNLYVTNV KARHEFTEFV GATMFGTYNV ISLVVLLNML IAMMNNSYQL IADHADIEWK FARTKLWMSY FDEGGTLPPP FNIIPSPKSF LYLGNWFNNT FCPKRDPDGR RRRHNLRSFT ERHADSLIQN QHYQEVIRNL VKRYVAAMIR

Product Details

NSKTNEGLTE ENFKELKQDI SSFRYEVLDL LGNRKHPRRS LSTSSADFSQ RDDTNDGSGG
ARAKSKSVSF NVGCKKKACH GAPLIRTVPR ASGAQGKPKS ESSSKRSFMG PSFKKLGLFF
SKFNGQTSEP TSEPMYTISD GIAQQHCMWQ DIRYSQMEKG KAEACSQSQM NLGEVELGEI
RGAAARSSEC PLACSSSLHC ASGICSSNSK LLDSSSEDFE TWGEACDLLM HKWGDGQEEQ
VTTRL **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: TRPC5

Alternative Name: Trpc5 ([TRPC5 Products](#))

Background: Short transient receptor potential channel 5 (TrpC5) (Capacitative calcium entry channel 2) (CCE2) (Transient receptor protein 5) (TRP-5) (mTRP5) (Trp-related protein 5),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

Target Details

kinases or G-protein coupled receptors. Has also been shown to be calcium-selective. May also be activated by intracellular calcium store depletion (By similarity). Mediates calcium-dependent phosphatidylserine externalization and apoptosis in neurons via its association with PLSCR1 (PubMed:32110987). {ECO:0000250|UniProtKB:Q9UL62, ECO:0000269|PubMed:32110987}.

Molecular Weight: 111.5 kDa

UniProt: [Q9QX29](#)

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