

Datasheet for ABIN7555831
TRPC6 Protein (AA 1-931) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	TRPC6
Protein Characteristics:	AA 1-931
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TRPC6 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat TRPC6 Protein expressed in mammalian cells.
Sequence:	<p>MSQSPAFGPR RGSSPRGAAG AAARRNESQD YLLMDSELGE DGCPQAPLPC YGYYPFCFRGS</p> <p>DNRLAHRRT VLREKGRRLA NRGPAYMFSD RSTSLSIEEE RFLDAAEYGN IPVVRKMLEE</p> <p>CHSLNVNCVD YMGQNALQLA VANEHLEITE LLLKKENLSR VGDALLAIS KGYVRIVEAI</p> <p>LSHPAFAEGK RLATSPSQSE LQQDDFYAYD EDGTRFSHDV TPILAAHCQ EYEIVHTLLR</p> <p>KGARIERPHD YFCKCND CNQ KQKHDSFSHS RSRINAYKGL ASPAYLSLSS EDPVMTALEL</p> <p>SNELAVLANI EKEFKNDYKK LSMQCKDFVV GLLDLCRNTE EVEAILNGDV ETLQSGDHGR</p> <p>PNLSRLKLAI KYEVKKFVAH PNCQQQLLSI WYENLSGLRQ QTMAVKFLVW LAVAIGLPFL</p> <p>ALIYWFAPCS KMGKIMRGPF MKFVAHAASF TIFLGLLVMN AADRFEGTKL LPNETSTDNA</p> <p>KQLFRMKTSC FSWMEMLIIS WVGMIWAEC KEIWTQGPKE YLFELWNMLD FGMLAIFAAS</p> <p>FIARFMAFWH ASKAQSIIDA NDTLKD LTKV TLGDNV KYYN LARIKWDPSP PQIISEGLYA</p> <p>IAVVLSFSRI AYILPANESF GPLQISLGRT VKDIFKFMVI FIMVFVAFMI GMFNLYSYYI</p>

GAKQNEAFTT VEESFKTLFW AIFGLSEVKS VVINYNHKFI ENIGYVLYGV YNVTMVIVLL
NMLIAMINSS FQEIEDDADV EWKFARAKLW FSYFEEGRTL PVPFNLVPSP KSLFYLLLKL
KKWISELFQG HKKGFQEDAE MNKINEEKKL GILGSHEDLS KLSLDKKQVG HNKQPSIRSS
EDFHLNSFNN PPRQYQKIMK RLIKRYVLQA QIDKESDEVN EGELKEIKQD ISSLRVELLE
EKSQNTEDLA ELIRELGEKL SMEPNQEETN R **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>
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Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
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Grade:	custom-made
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Target Details

Target:	TRPC6
Alternative Name:	TRPC6 (TRPC6 Products)
Background:	Short transient receptor potential channel 6 (TrpC6) (Transient receptor protein 6) (TRP-6),FUNCTION: Thought to form a receptor-activated non-selective calcium permeant cation channel (PubMed:19936226, PubMed:23291369). Probably is operated by a phosphatidylinositol second messenger system activated by receptor tyrosine kinases or G-protein coupled receptors. Activated by diacylglycerol (DAG) in a membrane-delimited fashion,

Target Details

independently of protein kinase C (PubMed:26892346). Seems not to be activated by intracellular calcium store depletion. {ECO:0000269|PubMed:19936226, ECO:0000269|PubMed:23291369, ECO:0000269|PubMed:26892346}.

Molecular Weight: 106.3 kDa

UniProt: [Q9Y210](#)

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