

Datasheet for ABIN7563901
TRPC6 Protein (AA 1-930) (His tag)



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Overview

Quantity:	1 mg
Target:	TRPC6
Protein Characteristics:	AA 1-930
Origin:	Mouse
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>MSQSPRFVTR RGGSLKAAPG AGTRRNESQD YLLMDELGDD GYPQLPLPPY GYPSFRGNE</p> <p>NRLTHRRQTI LREKGRRLAN RGPAYMFNDH STLSIEEER FLDAAEYGNI PVVRKMLEEC</p> <p>HSLNVNCVDY MGQNALQLAV ANEHLEITEL LLKKENLSRV GDALLAISK GYVRIVEAIL</p> <p>NHPAFAEGKR LATSPSQSEL QQDDFYAYDE DGTRFSHDVT PIILAAHCQE YEIVHTLLRK</p> <p>GARIERPHDY FCKCTECSQK QKHDSFSHSR SRINAYKGLA SPAYLSLSSE DPVMTALELS</p> <p>NELAVLANIE KEFKNDYRKL SMQCKDFVVG LLDLCRNTEE VEAILNGDAE TRQPGDFGRP</p> <p>NLSRLKLAIK YEVKKFVAHP NCQQQLLSIW YENLSGLRQQ TMAVKFLVVL AVAIGLPFLA</p> <p>LIYWCAPCSK MGKILRGPFM KFAHAASFT IFLGLLVMNA ADRFEGTKLL PNETSTDNAR</p> <p>QLFRMKTSCF SWMEMLIISW VIGMIWAECK EIWTQGPKEY LFELWNMLDF GMLAIFAASF</p> <p>IARFMAFWHA SKAQSIIDAN DTLKDLTKVT LGDNVKYYNL ARIKWDPTDP QIISEGLYAI</p> <p>AVVLSFSRIA YILPANESFG PLQISLGRTV KDIFKFMVIF IMVFVAFMIG MFNLYSYYIG</p>

AKQNEAFTTV EESFKTLFWA IFGLSEVKSV VINYNHKEFIE NIGYVLYGVY NVTMVIVLLN
MLIAMINSSF QEIEDDADVE WKFARAKLWF SYFEEGRTLTP VPFNLVPSPK SLLYLLLKFK
KWMCELIQGQ KQGFQEDAEM NKRNEEKKFG ISGSHEDLSK FSLDKNQLAH NKQSSTRSSE
DYHLNSFSNP PRQYQKIMKR LIKRYVLQAQ IDKESDEVNE GELKEIKQDI SSLRYELLEE
KSQNTEDLAE LIRKLGERLS LEPKLEESRR **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:	TRPC6
Alternative Name:	Trpc6 (TRPC6 Products)
Background:	<p>Short transient receptor potential channel 6 (TrpC6) (Calcium entry channel) (Transient receptor protein 6) (TRP-6),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. Activated by diacylglycerol (DAG) in a membrane-delimited fashion, independently of protein</p>

Target Details

	kinase C. Seems not to be activated by intracellular calcium store depletion. {ECO:0000250 UniProtKB:Q9Y210}.
Molecular Weight:	106.7 kDa
UniProt:	Q61143

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