

Datasheet for ABIN7555843
TRPC7 Protein (AA 1-862) (His tag)



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Overview

Quantity:	1 mg
Target:	TRPC7
Protein Characteristics:	AA 1-862
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TRPC7 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat TRPC7 Protein expressed in mammalian cells.
Sequence:	<p>MLRNSTFKNM QRRHTTLREK GRRQAIRGPA YMFNEKGTSL TPEERFLDS AEYGNIPVVR</p> <p>KMLEESKTLN FNCVDYMGQN ALQLAVGNEH LEVTELLKK ENLARVGDAL LLAISKGYVR</p> <p>IVEAILNHPA FAQQQRLTSL PLEQELRDDD FYAYDEDGTR FSHDITPIIL AAHCQEYEV</p> <p>HILLKLGARI ERPHDYFCKC NECTEKQRKD SFSHSRSMN AYKGLASAAY LSLSSDPVL</p> <p>TALELSNELA RLANIETEFK NDYRKLSMQC KDFVVGVLDL CRDTEEVEAI LNGDVNFQVW</p> <p>SDHHRPSLSR IKLAIKYEYV KFAHPNCQQ QLLTMWYENL SGLRQQSIIV KFLAVFGVSI</p> <p>GLPFLAIAYW IAPCSKLGRT LRSPFMKFVA HAVSFTIFLG LLVNASDRF EGVKTLPNET</p> <p>FTDYPKQIFR VKTTQFSWTE MLIMKWVLGM IWSECKEWE EGPREYVLHL WNLLDFGMLS</p> <p>IFVASFTARF MAFLKATEAQ LYVDQHVQDD TLHNVSLPPE VAYFTYARDK WWPSDPQIIS</p> <p>EGLYAIIVVL SFSRIAYILP ANESFGPLQI SLGRTVKDIF KFMVIFIMVF VAFMIGMFNL</p> <p>YSYYRGAKYN PAFTTVEESF KTLFWSIFGL SEVISVVLKY DHKFIENIGY VLYGVYNVTM</p>

Product Details

VVLLNMLIA MINNSYQEIE EDADVEWKFA RAKLWLSYFD EGRTLPAFPN LVPSPKSFYY
LIMRIKMCLI KLCKSKAKSC ENDLEMGLN SKFKKTRYQA GMRNSENLT NNTLSKPTRY
QKIMKRLIK R YVLKAQVDRE NDEVNEGELK EIKQDISSLR YELLEESQA TGELADLIQQ
LSEKFGKNLN KDHLRVNKGK DI **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:	TRPC7
Alternative Name:	TRPC7 (TRPC7 Products)
Background:	Short transient receptor potential channel 7 (TrpC7) (Transient receptor protein 7) (TRP-7) (hTRP7),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) (By similarity). May also be activated by intracellular calcium store depletion. {ECO:0000250}.
Molecular Weight:	99.6 kDa

Target Details

UniProt: [Q9HCX4](#)

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