

Datasheet for ABIN7559238

TMEM63C Protein (AA 1-802) (His tag)



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Overview

Quantity:	1 mg
Target:	TMEM63C
Protein Characteristics:	AA 1-802
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TMEM63C protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Tmem63c Protein expressed in mammalian cells.
Sequence:	<p>MSAFPDSMDQ KFHNMVNEC FQSRSTVLQG QPFGGIPTVL VLNIILWV FV VLLYSFLRKA</p> <p>AWDYGR LALL IHNSLTS LI YGEQSEKSSP SEVSLEAERR DRGFSSWFFN SLTMRDRDLI</p> <p>NKCGDDARIY ITFQYHLIIF VLILCIPSLG IILPVNYIGT VLDWNSHFGR TTIVNVSTES KFLWLHSLFA</p> <p>FLYFLINLAF MGHHC LGFVP KKS LHFTRTL MITYVPTEIQ DPEIISKHFH EAYPGCVVTR</p> <p>VHFCYDVRNL IDLDDQRRHA MRGRLYYTAK AKKTGKVMIK THPCSRLCFC KCWTCFKEVD</p> <p>AEQYYSELEE QLTDEFNAEL NRVLQKRLDL IFVTFQDART VRRYYDDYKY IHCGRHPKQS</p> <p>SVTTIVKNYH WRVAHAPHPK DIIWKHLSIR RFSWWTRFIA INTFLFFLFF FLTTPAIIN</p> <p>TIDIYNVTRP IEKLQSPIVT QFFPSVLLWA FVTMPLLVY LSAFLEAHTW RSSQNLIIVH</p> <p>KCYIFLVFMV VILPSMGLTS LHVFLRWLFD IYYLEHATIR FQCVFLPDNG AFFINYVITA</p> <p>ALLGTGMELM RLGS LCTYCT RLFLSKSEPE RVHIRKNQAT DFQFGREYAW MLNVFSV VMA</p> <p>YSITCPIIVP FGLLYLCMKH ITDRYNMYYS YAPTKLNAQI HMAAVYQAIF APLLGLFWML</p> <p>FFSILRVGSL HSITLFSMSS LIISVIAFS GVFLGKLRIA QRYEQPEEET ETVFDVEPSS TTSTPTSLLY</p>

Product Details

VATVLQEPEL NLTPASSPAR HTYGTINSQP EEEEEESGLR GFARELDSAQ FQEGLEMEGQ SH

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: TMEM63C

Alternative Name: Tmem63c ([TMEM63C Products](#))

Background: Calcium permeable stress-gated cation channel 1 (Transmembrane protein 63C),FUNCTION: Acts as an osmosensitive calcium-permeable cation channel (PubMed:27045885, PubMed:32375046). Required for the functional integrity of the kidney glomerular filtration barrier (By similarity). {ECO:0000250|UniProtKB:D3ZNF5, ECO:0000269|PubMed:27045885, ECO:0000269|PubMed:32375046}.

Molecular Weight: 93.0 kDa

Target Details

UniProt: [Q8CBX0](#)

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