

[Go to Product page](#)

Datasheet for ABIN7560120

TMEM63A Protein (AA 1-804) (His tag)

Overview

Quantity:	1 mg
Target:	TMEM63A
Protein Characteristics:	AA 1-804
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TMEM63A protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Tmem63a Protein expressed in mammalian cells.
Sequence:	MTSSPFLDPW PSKAVFVRER LGLGERPNDS YCYNSAKNST VLQGVTFGGI PTVLLLDVSC FLFLILVFSI IRRRFWDYGR IALVSEAGSE ARFQRLSSSS SGQQDFENEL GCCPWLTAF RLHDDQILEW CGEDAIHYLS FQRHIIFLLV VISFSLCVI LPVNLSGDLL GKDPYSFGRT TIANLQTDND LLWLHTVFSV IYLFLTVGFM WHHTRSIRYK EESLVRQTLF ITGLPREARK ETVESHFRDA YPTCEVVDVQ LCYSVAKLIY LCKERKKTEK SLTYTNLQA KTGRRTLINP KPCGQFCCCE VQGCEREDAI SYYTRMNSDL LERITAEESR VQDQPLGMAF VTFREKSMAT YILKDFNACK CQGLRCKGEP QPSSYSRELC VSKWTVTFAS YPEDICWKNL SIQGVRWWLQ WLGINFSLFV VLFFLTTPSI IMSTMDKFNV TKPIHALNNP VISQFFPTLL LWSFSALLPS IVYYSTLLES HWTRSGENRI MVSKVYIFLI F MVLILPSLG L TSLDFFFRW LFDKTSSETS IRLECVFLPD QGAFFVNYVI ASAFIGSGME LLRLPGLILY TFRMIMAKTA ADRRNKQNQ AFEYEFGAMY AWMLCVFTVI MAYSITCPII VPFGLIYILL KHMVDRHNLY FAYLPAKLEK RIHFAAVNQA LAAPILCLFW LFFFSFLRLG LTAPATLFTF LVLLTILAC LLYTCFGCFK

Product Details

HLSPWNYKTE ESASDKGSEA EAHVPPPFTP YVPRILNGLA SERTALSPQQ QQTYGAIRNI
SGTLPGQPVA QDPSGTAAYA YQES **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: TMEM63A

Alternative Name: Tmem63a ([TMEM63A Products](#))

Background: CSC1-like protein 1 (Transmembrane protein 63A),FUNCTION: Acts as an osmosensitive calcium-permeable cation channel (PubMed:27045885, PubMed:32375046). Mechanosensitive ion channel that converts mechanical stimuli into a flow of ion (PubMed:30382938, PubMed:37543036). {ECO:0000269|PubMed:27045885, ECO:0000269|PubMed:30382938, ECO:0000269|PubMed:32375046, ECO:0000269|PubMed:37543036}.

Molecular Weight: 91.9 kDa

Target Details

UniProt: [Q91YT8](#)

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