

Datasheet for ABIN7553591

**TMEM63A Protein (AA 1-807) (His tag)**[Go to Product page](#)

## Overview

Quantity:	1 mg
Target:	TMEM63A
Protein Characteristics:	AA 1-807
Origin:	Human
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:	<p>MMDSPFLELW QSKAVSIREQ LGLGDRPNDS YCYNSAKNST VLQGVTFGGI PTVLLIDVSC FLFLILVFSI IRRRFWDYGR IALVSEADSE SRFQRLSSTS SSGQQDFENE LGCCPWLTAI FRLHDDQILE WCGEDAIHYL SFQRHIIFLL VVSFSLSLCV ILPVNLSGDL LDKDPYSFGR TTIANLQTDN DLLWLHTIFA VIYLFLLTVGF MRHHTQSIKY KEENLVRRTL FITGLPRDAR KETVESHFRD AYPTCEVVDV QLCYNVAKLI YLCKEKKKTE KSLTYTTLNLQ VKTGQRTLIN PKPCGQFCCC EVLGCEWEDA ISYYTRMKDR LLERITEEER HVQDQPLGMA FVTFQEKSMA TYILKDFNAC KCQSLQCKGE PQPSSHSREL YTSKWTVTFA ADPEDICWKN LSIQGLRWLW QWLGINFTLF LGLFFLTTPS IILSTMDKFN VTKPIHALNN PIISQFFPTL LLWSFSALLP SIVYYSTLLE SHWTKSGENQ IMMVKVYIFL IFMVLILPSL GLTSLDFFFR WLFDKTSSEA SIRLECVFLP DQGAFFVNYV IASAFINGM ELLRPLGLIL YTFRMIMAKT AADRRNVKQN QAFQYEFAM YAWMLCVFTV IVAYSITCPI IAPFGLIYIL LKHMVDRHNL YFVYLPKLE KGIHFAAVNQ ALAAPILCLF WLYFFSFLRL GMKAPATLFT FLVLLLTILV CLAHTCFGCF</p>

## Product Details

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KHLSPLNYKT EEPASDKGSE AEAHMPPPFY PYVPRILNGL ASERTALSPQ QQQQTYGAI  
HNISGTIPGQ CLAQSATGSV AAPQEA **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

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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:30382938, PubMed:31587869). Mechanosensitive ion channel that converts mechanical stimuli into a flow of ion (PubMed:30382938, PubMed:31587869, PubMed:37543036). {ECO:0000250|UniProtKB:Q91YT8, ECO:0000269|PubMed:30382938, ECO:0000269|PubMed:31587869, ECO:0000269|PubMed:37543036}.

## Target Details

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Molecular Weight: 92.1 kDa

UniProt: [O94886](#)

## Application Details

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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

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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