

Datasheet for ABIN7557398
TMEM65 Protein (AA 1-234) (His tag)



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Overview

Quantity:	1 mg
Target:	TMEM65
Protein Characteristics:	AA 1-234
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TMEM65 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Tmem65 Protein expressed in mammalian cells.
Sequence:	MSRLLPLLGS RTARSLRPGP AAAPRLPSWC CCGRLLALG VPGGPRLLGT HPKKEPMEAL NTAQGARDFI YSLHSTERSC LLKELHRFES IAIAQEKLEA LPPTPGQLRY VFFHNAIPFV GFGFLDNAIM IVAGTQIELS IGIILGISTM AAAALGNLVS DLAGLGLAGY VEALASRLGL SIPDLTPKQV DMWQTRVSTH LGKAVGVTTIG CILGMFPLIF FGGSEDEKL ETTN 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: <ul style="list-style-type: none">• Made to order protein - from design to production - by highly experienced protein experts.

Product Details

- 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:	TMEM65
Alternative Name:	Tmem65 (TMEM65 Products)
Background:	Transmembrane protein 65,FUNCTION: Essential for maintaining proper cardiac intercalated disk (ICD) structure and function as well as cardiac conduction velocity in the heart (PubMed:36257954). Its association with SCN1B is required for stabilizing the perinexus in the ICD and for localization of GJA1 and SCN5A to the ICD (PubMed:36257954). May regulate the function of the gap junction protein GJA1 and may contribute to the stability and proper localization of GJA1 to cardiac intercalated disk thereby regulating gap junction communication (PubMed:26403541). Regulates mitochondrial respiration and mitochondrial DNA copy number maintenance (By similarity). {ECO:0000250 UniProtKB:Q6PI78, ECO:0000269 PubMed:26403541, ECO:0000269 PubMed:36257954}.
Molecular Weight:	24.9 kDa
UniProt:	Q4VAE3

Application Details

Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for
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Application Details

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
