

Datasheet for ABIN7544450
TMEM163 Protein (AA 1-289) (His tag)



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Overview

Quantity:	1 mg
Target:	TMEM163
Protein Characteristics:	AA 1-289
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TMEM163 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant TMEM163 Protein expressed in mammalian cells.
Sequence:	MEPAAGIQRK SSQGPTVPPP PRGHAPAAA PGPAPLSSPV REPPQLEEER QVRISESGQF SDGLEDRGLL ESSTRPKPHE AQNYRKKALW VSWFSIIVTL ALAVAAFTVS VMRYASASAFG FAFDAILDVLL SSAIVLWRYN NAAAVHSAHR EYIACVILGV IFLSSICIV VKAIHDLSTR LLPEVDDFLF SVSILSGILC SILAVLKFML GKVLTSRALI TDGFNSLVGG VMGFSILLSA EVFKHDSAVW YLDGSIGVLI GLTIFAYGVK LLIDMVPRVR QTRHYEMFE 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:

Product Details

- 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:	TMEM163
Alternative Name:	TMEM163 (TMEM163 Products)
Background:	Transmembrane protein 163,FUNCTION: Zinc ion transporter that mediates zinc efflux and plays a crucial role in intracellular zinc homeostasis (PubMed:25130899, PubMed:31697912, PubMed:36204728). Binds the divalent cations Zn(2+), Ni(2+), and to a minor extent Cu(2+) (By similarity). Is a functional modulator of P2X purinoceptors, including P2RX1, P2RX3, P2RX4 and P2RX7 (PubMed:32492420). Plays a role in central nervous system development and is required for myelination, and survival and proliferation of oligodendrocytes (PubMed:35455965). {ECO:0000250 UniProtKB:A9CMA6, ECO:0000269 PubMed:25130899, ECO:0000269 PubMed:31697912, ECO:0000269 PubMed:32492420, ECO:0000269 PubMed:35455965, ECO:0000269 PubMed:36204728}.
Molecular Weight:	31.5 kDa
UniProt:	Q8TC26

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
