

Datasheet for ABIN7559105

TMEM120A Protein (AA 1-343) (His tag)



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Overview

Quantity:	1 mg
Target:	TMEM120A
Protein Characteristics:	AA 1-343
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TMEM120A protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Tmem120a Protein expressed in mammalian cells.
Sequence:	<p>MQSPPPDPLG DCLRNWEDLQ QDFQGIQETH RLYRLKLEEL TKLQANCTNS ITRQKKRLQE</p> <p>LALVLKKCRP SLPSESMEAA QELENQMKER QGLFFDMEAY LPKKNGLYLS LVLGNVNVTL</p> <p>LSKQAKFAYK DEYEKFKLYL TIILIVISFT CRFLLNSRVT DAAFNLLVW YYCTLTIRES ILINNGSRIK</p> <p>GWWVFHHYVS TFLSGVMLTW PDGLMYQKFR NQFLSFSMYQ SFVQFLQYYY QSGCLYRLRA</p> <p>LGERHTMDLT VEGFQSWMWR GLTFLLPFLF FGHFWQLFNA LTLFNLARDP ECKEWQVLMC</p> <p>GFPFLLLFLG NFFTTLRVVH QKFHSQQHGN KKD Sequence without tag. The proposed</p> <p>Purification-Tag is based on experiences with the expression system, a different complexity</p> <p>of the protein could make another tag necessary. In case you have a special request, please</p> <p>contact us.</p>
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:	TMEM120A
Alternative Name:	Tmem120a (TMEM120A Products)
Background:	Ion channel TACAN (Transmembrane protein 120A),FUNCTION: Ion channel involved in sensing mechanical pain (PubMed:32084332). Contributes to mechanosensitive currents in nociceptors and detecting mechanical pain stimuli (PubMed:32084332). May also be required for efficient adipogenesis (PubMed:26024229). {ECO:0000269 PubMed:26024229, ECO:0000269 PubMed:32084332}.
Molecular Weight:	40.8 kDa
UniProt:	Q8C1E7

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