

Datasheet for ABIN7559764
Tmc2 Protein (AA 1-888) (His tag)



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Overview

Quantity:	1 mg
Target:	Tmc2
Protein Characteristics:	AA 1-888
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Tmc2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Tmc2 Protein expressed in mammalian cells.
Sequence:	MSPQLKSLDE EGDKSARRPT RKQTSRAACP QDGHRAQSSR KDKPAKGSPPR GSSRKKQMEH GSYHKGLQGQ KPRKVERS LQ GRKKDRRTSL KEQRASPKKE REALRKEAGK QLRKPRSTSL GSSVSTGDSL SEEELAQILE QVEEKKK LIT TVRNKPWPMA KKLRELREAQ AFVEKYEGAL GKGK GKHL YA YRMMMAKKWV KFKRDFDNFK TQCIPWEMKI KDIESHFGSS VASYFIFLRW MYGVNLV LFG LIFGLV IPE VLMGMPY GSI PRKTV PRAEE ERAMDFS VLW DFEGYIKYSA LFYGYNNQR TIGWLR YRLP MAYFMVGVSV FGYS LMIVIR SMASNTQGST SEGSDSFTF SFKMFTSWDY LIGNSETADN KYVSITTSFK ESIVDEQESN KEGNIHLTRF LRVLANFLIL CCLCGSGYLI YFVVKRSQEF SKMQNVSWYE RNEVEIVMSL LGMFCPPLFE TIAALENYHP RTGLKWQLGR IFALFLGNLY TFL LALMDDV H LKLSNEEKI KNITHWTLFN YYNSSGGNES VPRPPHPAD VPRGSCWETA VGIEFMRLTV SDMLV TYLTI LVGDFLRACF VRFMNHWCWCW DLEAGFPSYA EFDISGNVLG LIFNQGM IWM GSFYAPGLVG INVL RLLTSM YFQCWAVMSS NVPHERVFKA SRSNNFY MGL LLLVLF L SLL PVAYTVMSLP PSFDCGPFSG KNRMYDVLHE

Product Details

TIENDFPKFL GKIFAFLANP GLIIPAILLM FLAIYYLNSV SKSLSRANAQ LRKKIQALRE
VEKNHKSIG KAIPTYSED TIKNSSKNATQ IHLTKKEPTS HSSSQIQTLD KKAQGPHTSS
TEGGASPSTS WHHVGSQPPR GRRDSGQPQS QTYTGRSPSG KRTQRPHN **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: Tmc2

Alternative Name: Tmc2 ([Tmc2 Products](#))

Background: Transmembrane channel-like protein 2 (Transmembrane cochlear-expressed protein 2),FUNCTION: Probable ion channel required for the normal function of cochlear hair cells (By similarity). Component of the hair cell's mechanotransduction (MET) machinery. Involved in mechanosensitive responses of the hair cells (By similarity). {ECO:0000250|UniProtKB:E7FFT2, ECO:0000250|UniProtKB:Q8TDI7}.

Target Details

Molecular Weight: 101.1 kDa

UniProt: [Q8R4P4](#)

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