

Datasheet for ABIN7555770  
**Tmc2 Protein (AA 1-906) (His tag)**



[Go to Product page](#)

## Overview

|                               |   |
|-------------------------------|---|
| Quantity:                     | 1 mg  |
| Target:                       | Tmc2  |
| Protein Characteristics:      | AA 1-906                                    |
| Origin:                       | Human                                       |
| 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: | <p>MSHQVKGLKE EARGGVKGRV KSGSPHTGDR LGRRSSSKRA LKAEGTPGRR GAQRSQKERA<br/>GGSPSPGSPR RKQTGRRRHR EELGEQERGE AERTCEGRRK RDERASFQER TAAPKREKEI<br/>PRREEKSKRQ KKPRSSSLAS SASGGESLSE EELAQILEQV EEKKKLIATM RSKPWPMACK<br/>LTELREAQEF VEKYEGALGK GKGKQLYAYK MLMAKKWVKF KRDFDNFKTQ CIPWEMKIKD<br/>IESHFSSVA SYFIFLRWY GVNVLVFLGLI FGLVIIPEVL MGMPYGSIPR KTVPRAEEEEK<br/>AMDFSVLWDF EGYIKYSALF YGYNNQRTI GWLRYRLPMA YFMVGVSVFG YSLIIVIRSM<br/>ASNTQGSTGE GESDNFTFSF KMFTSWDYLI GNSETADNKY ASITTSFKES IVDEQESNKE<br/>ENIHLTRFLR VLANFLIICC LCGSGYLIYF VVKRSQQFSK MQNVSWYERN EVEIVMSLLG<br/>MFCPPLFETI AALENYHPRT GLKWQLGRIF ALFLGNLYTF LLALMDDVHL KLANEETIKN<br/>ITHWTLFNYY NSSGWNESVP RPPLHPADVP RGSCWETAVG IEFMRLTVSD MLVTYITILL<br/>GDFLRACFVR FMNYCWCWDL EAGFPSYAEF DISGNVLGLI FNQGMIVMGS FYAPGLVGIN<br/>VLRLLTSMYF QCWAVMSSNV PHERVFKASR SNNFYMGLLL LVLFLSLLPV AYTIMSLPPS</p> |

## Product Details

---

FDCGPFSGKN RMYDVLQETI ENDFPTFLGK IFAFLANPGL IIPAILLMFL AIYYLNSVSK  
SLSRANAQLR KKIQLVREVE KSHKSVKGA TARDSETPK SSSKNATQLQ LTKEETTPPS  
ASQSQAMDKK AQGPGTNSA SRTTLPASGH LPISRPPGIG PDSGHAPSQT HPWRSASGKS  
AQRPPH **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 (PubMed:11850618). Component of the hair cell's mechanotransduction (MET) machinery. Involved in mechanosensitive responses of the hair cells (By similarity). {ECO:0000250|UniProtKB:E7FFT2, ECO:0000269|PubMed:11850618}.

## Target Details

---

Molecular Weight: 102.6 kDa

UniProt: [Q8TDI7](#)

## 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