

Datasheet for ABIN7555791

**TMC1 Protein (AA 1-760) (His tag)**[Go to Product page](#)

## Overview

Quantity:	1 mg
Target:	TMC1
Protein Characteristics:	AA 1-760
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TMC1 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant TMC1 Protein expressed in mammalian cells.
Sequence:	<p>MSPKKVQIKV EEKEDETEES SEEEEEEVED KLPRRESLRP KKRTRDVIN EDDPEPEPED EETRKAREKE RRRRLKRGAE EEEIDEELE RLKAELDEKR QIIATVKCKP WKMEKKIEVL KEAKKFVSEN EGALGKGK GK RWFAFKMMMA KKWAKFLRDF ENFKAACVPW ENKIKAIESQ FGSSVAS YFL FLRW MYGVNM VLFILTFSLI MLPEYLWGLP YGSLPRKTV P RAE EASAANF GVLYDFNGLA QYSVLFYGY D NKRTIGWMN FRLPLSYFLV GIMCIGYSFL VVLKAMTKNI GDDGGGDDNT FNFSWKVFTS WDYLIGNPET ADNKFN SITM NFKEAITEEK AAQVEENVHL IRFLRFLANF FVFLTGGSG YLIFWAVKRS QEFAQQDPDT LGWWEKNEMN MVMSLLGMFC PTLFDLFAEL EDYHPLIALK WLLGRIFALL LGNLYVFILA LMDEINN KIE EEKLVKANIT LWEANMIKAY NASFSENSTG PPFFVHPADV PRGPCWETMV GQEFVRLTVS DVLTTYVTIL IGDFLRACFV RFCNYCWCWD LEYGYPSTE FDISGNV LAL IFNQGMIWMG SFFAPSLPGI NILRLHTSMY FQCWAVMCCN VPEARVFKAS RSNNFYLGML LLILFLSTMP VLYMIVSLPP SFDCGPFSGK NRMFEVIGET LEHDFPSWMA KILRQLSNPG LVIIVILVMV LAIYYLNATA</p>

## Product Details

KGQKAANLDL KKKMKMQALE NKMRNKKMAA ARAAAAAGRQ **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:** TMC1

**Alternative Name:** TMC1 ([TMC1 Products](#))

**Background:** Transmembrane channel-like protein 1 (Transmembrane cochlear-expressed protein 1),FUNCTION: Probable ion channel required for the normal function of cochlear hair cells. {ECO:0000250|UniProtKB:Q8R4P5}.

**Molecular Weight:** 87.8 kDa

**UniProt:** [Q8TDI8](#)

**Pathways:** [Sensory Perception of Sound](#)

## 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