

Datasheet for ABIN7544698  
**TMTC2 Protein (AA 1-836) (His tag)**



[Go to Product page](#)

## Overview

Quantity:	1 mg
Target:	TMTC2
Protein Characteristics:	AA 1-836
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TMTC2 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant TMTC2 Protein expressed in mammalian cells.
Sequence:	MIAELVSSAL GLALYLNTLS ADFCYDDSR A IKTNQDLLPE TPWTHIFYND FWGTLTHSG SHKSYRPLCT LSFRLNHAIG GLNPWSYHLV NVLLHAAVTG LFTSFSKILL GDGYWTFMAG LMFASHPIHT EAVAGIVGRA DVGASLFFLL SLLCYIKHCS TRGYSARTWG WFLGSGLCAG CSMLWKEQGV TVLAVSAVYD VFVHRLKIK QILPTIYKRK NLSLFLSISL LIFWGSSLLG ARLYWMGNKP PSFNSDNPA ADSDLLTRT LTFYLPYTKN LWLLCPDTL SFDWSMDAVP LLKTVCWDRN LHTVAFYTG LLLAYYGLKS PSVDRECNGK TVTNGKQAN GHSCLSDVEY QNSETKSSFA SKVENGIKND VSQRTQLPST ENIVLSLSL LIIPFVPATN LFFYVGFVIA ERVLYIPSMG FCLLITVGAR ALYVKVQKRF LKSLIFYATA TLIVFYGLKT AIRNGDWQNE EMLYRSGIKV NPAKAWGNLG NVLKSQSKIS EAESAYRNAL YYRSNMADML YNLGLLLQEN SRFAEALHYY KLAIGSRPTL ASAYLNTGII LMNQGRTTEA RRTFLKCSEI PDENLKDPHA HKSSVTSCLY NLGKLYHEQG HYEEALSVYK EAIQKMPRQF APQSLYNMMG EAYMRLSKLP EAEHWYMESL RSKTDHIPAH LTYGKLLALT GRKSEAEKLF LKAIELDPTK GNCYMHYQQF

## Product Details

---

LLEEARLIEA AEMAKKAAEL DSTEFDVVFN AAHMLRQASL NEAAEKYYDL AARLRPNYPA  
ALMNLGAILH LNGRLQKAEA NYLRALQLKP DDVITQSNLR KLWNIMEKQG LKTSKT **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: TMTC2

Alternative Name: TMTC2 ([TMTC2 Products](#))

Background: Protein O-mannosyl-transferase TMTC2 (EC 2.4.1.109) (Transmembrane O-mannosyltransferase targeting cadherins 2) (Transmembrane and tetratricopeptide repeat-containing 2),FUNCTION: Transfers mannosyl residues to the hydroxyl group of serine or threonine residues. The 4 members of the TMTC family are O-mannosyl-transferases dedicated primarily to the cadherin superfamily, each member seems to have a distinct role in decorating the cadherin domains with O-linked mannose glycans at specific regions. Also acts as O-

## Target Details

---

mannosyl-transferase on other proteins such as PDIA3. {ECO:0000269|PubMed:28973932}.

---

Molecular Weight: 94.1 kDa

---

UniProt: [Q8N394](#)

---

## 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

---