

Datasheet for ABIN7555810
TMTC3 Protein (AA 1-915) (His tag)



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Overview

Quantity:	1 mg
Target:	TMTC3
Protein Characteristics:	AA 1-915
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TMTC3 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant TMTC3 Protein expressed in mammalian cells.
Sequence:	<p>MANINLKEIT LIVGVVTACY WNSLFCGFVF DDVSAILDNK DLHPSTPLKT LQNDFWGTP MSEERSHKSY RPLTVLTFRL NYLLSELKPM SYHLLNMIFH AVSVIFLKV CKLFLDNKSS VIASLLFAVH PIHTEAVTGV VGRAELLSSI FFLAAFLSYT RSKGPDNSII WTPIALTVFL VAVATLCKEQ GITVVGICCV YEVFIAQGYT LPLLCTTAGQ FLRGKGSIPF SMLQTLVKLI VLMFSTLLLV VIRVQVIQSQ LPVFTRFDNP AAVSPTPTRQ LTFNYLLPVN AWLLLNPSEL CCDWTMG TIP LIESLLDIRN LATFTFFCFL GMLGVFSIRY SGDSSKTVLM ALCLMALPFI PASNLFFPVG FVVAERVLV PSMGFCILVA HGWQKISTKS VFKKLSWICL SMVILTHSLK TFHRNWDWES EYTLFMSALK VNKNNAKLWN NVGHALENEK NFERALKYFL QATHVQPDDI GAHMNVGRTY KNLNRTKEAE ESYMMAKSLM PQIIPGKKYA ARIAPNHLNV YINLANLIRA NESRLEEADQ LYRQAISMRP DFKQAYISRG ELLLKMNKPL KAKEAYLKAL ELDRNNADLW YNLAI VHIEL KEPNEALKKN FNRALELNPK HKLALFNSAI VMQESGEVKL RPEARKRLLS YINEEPLDAN GYFNLGMLAM DDKKDNEAEI WMKKAIKLQA DFRSALFNLA LLYSQTAKEL</p>

Product Details

KALPILEELL RYYPDHIKGL ILKGDILMNQ KKDILGAKKC FERILEMDPS NVQGKHNLCV
VYFEEKDLLK AERCLLETLA LAPHEEYIQR HLNIVRDKIS SSSFIEPIFP TSKISSVEGK KIPTESVKEI
RGESRQTQIV KTSNKSQSK SNKQLGKNGD EETPHKTTKD IKEIEKKRVA ALKRLEEIER ILNGE

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: TMTC3

Alternative Name: TMTC3 ([TMTC3 Products](#))

Background: Protein O-mannosyl-transferase TMTC3 (EC 2.4.1.109) (Protein SMILE) (Transmembrane O-mannosyltransferase targeting cadherins 3) (Transmembrane and tetratricopeptide repeat-containing 3),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

Target Details

the cadherin domains with O-linked mannose glycans at specific regions. Also acts as O-mannosyl-transferase on other proteins such as PDIA3 (PubMed:28973932). Involved in the positive regulation of proteasomal protein degradation in the endoplasmic reticulum (ER), and the control of ER stress response. {ECO:0000269|PubMed:21603654, ECO:0000269|PubMed:28973932}.

Molecular Weight: 104.0 kDa

UniProt: [Q6ZXV5](#)

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