

Datasheet for ABIN7557294

TMTC1 Protein (AA 1-942) (His tag)



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Overview

Quantity:	1 mg
Target:	TMTC1
Protein Characteristics:	AA 1-942
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TMTC1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Tmtc1 Protein expressed in mammalian cells.
Sequence:	<p>MLVTRGDRGG GERAPSRPR CGLVPAGAAA LLAGASCLCY GRSLRGEFVH DDVWAIVNNP</p> <p>DVRPGTPLRW AIFANDFWGK GLADSTSHKS YRPLCVLSFR LNIFLTGMNP FYFHAVNVIL</p> <p>HCLVTLVLMY TCDKTVFKNR GLAFVTALLF AVHPVHTEAV AGIVGRADVL ACLLFLLAFL</p> <p>SYQRSLDQGC AGQCFPTTAS PFFLLLSLFL GTCAMLVKET GITVFGVCLV YDLFSPSHKQ</p> <p>DKLSNGAVCQ HSSGQPGSPQ PSSQQAHPHR ESRKQRFPHK DSWG GCHSPL PPEPKSSGFP</p> <p>MSPRAMWSLM RCLTGSTNRN FLLTLRPFLK RAILVISYVT VILYFRLWIM GGTMPPLFSEQ</p> <p>DNPASFSPYI LTRFLTYSYL LAFNVWLLA PITLCYDWQV GSIPLVETIW DVRNLATILL</p> <p>AVVMALLSLH CVAAFKRLEH KEVLAGLLFL VFPFIPASNL FFRVGFVVAE RVLYMPSPMGY</p> <p>CILFVHGLSK LCAGLSRCGA TSLMASTVLL LLLFSWKTVK QNEIWLSRES LFRSGVQTLF</p> <p>HNAKVHYNIA NFLKDQGRNK EAIYHYRTAL KLYPRHASAL NNLGTLTKDM AEAKMYYQKA</p> <p>LQLHPQHNRA LFNLGNLLKS QEKTEEAIML LKESIKYGPD FADAYSSLAS LLAEQERFKE</p> <p>AEDIYQAGIK NCPDSSDLHN NYAVFLVDSG FPEKAVAHYQ QAIQLSPSHH VAVVNLGRLY</p>

RSLGENSKAE EWYRRALKVA RTAEVLSPLG ALYYNTGRHK EALEVYREAV SLQPSQRELRLALAQVLAVM GQTKEAEKIT SHIVSEEPRC LECYRLLSAI HSKQEHHGKA LEAIEKALQLKPKDPKWISE LFFTKGNQLR EQNLLDKAFE SYEAAVTLDP DQAQAWNMNG GIRHIQGSYVSARAYYERAL KLVPSKLLK ENLAKLDRLE RRLQEVRRERD QT **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:	<p>Key Benefits:</p> <ul style="list-style-type: none">• 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). <p>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.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>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.</p>

Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	TMTC1
Alternative Name:	Tmtc1 (TMTC1 Products)
Background:	Protein O-mannosyl-transferase TMTC1 (EC 2.4.1.109) (Transmembrane O-mannosyltransferase targeting cadherins 1) (Transmembrane and tetratricopeptide repeat-containing 1),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

Target Details

	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-mannosyl-transferase on other proteins such as PDIA3. {ECO:0000250 UniProtKB:Q8IUR5}.
Molecular Weight:	105.8 kDa
UniProt:	Q3UV71

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