

Datasheet for ABIN7546525
CMTM4 Protein (AA 1-234) (His tag)



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Overview

Quantity:	1 mg
Target:	CMTM4
Protein Characteristics:	AA 1-234
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CMTM4 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant CMTM4 Protein expressed in mammalian cells.
Sequence:	MRSGEELDGF EGEASSTSMI SGASSPYQPT TEPVSQRRGL AGLRCDPDYL RGALGRLKVA QVILALIAFI CIETIMACSP CEGLYFFEFV SCSAFVVTGV LLIMFSLNLH MRIPQINWNL TDLVNTGLSA FLFFIASIVL AALNHRAGAE IAAVIFGFLA TAAYAVNTFL AVQKWRVSVR QQSTNDYIRA RTESRDVDSR PEIQLDTFS YSTNVTVRKK SPTNLLSLNH WQLA 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: <ul style="list-style-type: none">• Made to order protein - from design to production - by highly experienced protein experts.

Product Details

- 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:	CMTM4
Alternative Name:	CMTM4 (CMTM4 Products)
Background:	CKLF-like MARVEL transmembrane domain-containing protein 4 (Chemokine-like factor superfamily member 4),FUNCTION: Acts as a backup for CMTM6 to regulate plasma membrane expression of PD-L1/CD274, an immune inhibitory ligand critical for immune tolerance to self and antitumor immunity. May protect PD-L1/CD274 from being polyubiquitinated and targeted for degradation. {ECO:0000269 PubMed:28813410}.
Molecular Weight:	25.8 kDa
UniProt:	Q8IZR5

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