

Datasheet for ABIN7546553

CMTM6 Protein (AA 1-183) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	CMTM6
Protein Characteristics:	AA 1-183
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CMTM6 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant CMTM6 Protein expressed in mammalian cells.
Sequence:	<p>MENGAVYSPT TEEDPGPARG PRSGLAAYFF MGRLPLLRRV LKGLQLLLSL LAFICEEVVS</p> <p>QCTLGGLYF FEFVSCSAFL LSLILIVYC TPFYERVDTT KVKSSDFYIT LGTGCVFLLA</p> <p>SIIFVSTHDR TSAEIAAIVF GFASFMFLL DFITMLYEKR QESQLRKPEN TTRAEALTEP LNA</p> <p>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.</p>
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

Product Details

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:	CMTM6
Alternative Name:	CMTM6 (CMTM6 Products)
Background:	CKLF-like MARVEL transmembrane domain-containing protein 6 (Chemokine-like factor superfamily member 6),FUNCTION: Master regulator of recycling and plasma membrane expression of PD-L1/CD274, an immune inhibitory ligand critical for immune tolerance to self and antitumor immunity. Associates with both constitutive and IFNG-induced PD-L1/CD274 at recycling endosomes, where it protects PD-L1/CD274 from being targeted for lysosomal degradation, likely by preventing its STUB1-mediated ubiquitination. May stabilize PD-L1/CD274 expression on antigen presenting cells and potentiates inhibitory signaling by PDCD1/CD279, its receptor on T-cells, ultimately triggering T-cell anergy. {ECO:0000269 PubMed:28813410, ECO:0000269 PubMed:28813417}.
Molecular Weight:	20.4 kDa
UniProt:	Q9NX76

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.
--------------------	---

Application Details

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