

Datasheet for ABIN7544695
TMEM53 Protein (AA 1-277) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	TMEM53
Protein Characteristics:	AA 1-277
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TMEM53 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant TMEM53 Protein expressed in mammalian cells.
Sequence:	MASAELDYTI EIPDQPCWSQ KNSPSPGGKE AETRQPVVIL LGWGGCKDKN LAKYSAIYHK RGCIVIRYTA PWHMVFFSES LGIPSLRVLA QKLELLFDY EIEKEPLLH VFSNGGVMLY RYVLELLQTR RFCRLRVVGT IFDSAPGDSN LVGALRALAA ILERRAAMLRL LLLLVAFALV VVLFHVLLAP ITALFHTHFY DRLQDAGSRW PELYLYSRAD EVVLARDIER MVEARLARRV LARSVDFVSS AHVSHLRDYP TYYTSLCVDF MRNCVRC 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:

Product Details

- 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:	TMEM53
Alternative Name:	TMEM53 (TMEM53 Products)
Background:	Transmembrane protein 53 (Nuclear envelope transmembrane protein 4),FUNCTION: Ensures normal bone formation, through the negative regulation of bone morphogenetic protein (BMP) signaling in osteoblast lineage cells by blocking cytoplasm-nucleus translocation of phosphorylated SMAD1/5/9 proteins. {ECO:0000269 PubMed:33824347}.
Molecular Weight:	31.6 kDa
UniProt:	Q6P2H8

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