

Datasheet for ABIN7544258
TM4SF20 Protein (AA 1-229) (His tag)



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Overview

Quantity:	1 mg
Target:	TM4SF20
Protein Characteristics:	AA 1-229
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TM4SF20 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant TM4SF20 Protein expressed in mammalian cells.
Sequence:	MTCCEGWTSC NGFSLLVLLL LGVVLNAIPL IVSLVEEDQF SQNPISCFEW WFPGIIGAGL MAIPATTMSL TARKRACCNN RTGMFLSSLF SVITVIGALY CMLISIQALL KGPLMCNSPS NSNANCEFSL KNISDIHPES FNLQWFFNDS CAPPTGFNKP TSNDTMASGW RASSFHFDFSE ENKHRLIHFS VFLGLLL VGI LEVLFGLSQI VIGFLGCLCG VSKRRSQIV 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:	TM4SF20
Alternative Name:	TM4SF20 (TM4SF20 Products)
Background:	Transmembrane 4 L6 family member 20,FUNCTION: Polytopic transmembrane protein that inhibits regulated intramembrane proteolysis (RIP) of CREB3L1, inhibiting its activation and the induction of collagen synthesis (PubMed:25310401, PubMed:27499293). In response to ceramide, which alters TM4SF20 membrane topology, stimulates RIP activation of CREB3L1 (PubMed:27499293). Ceramide reverses the direction through which transmembrane helices are translocated into the endoplasmic reticulum membrane during translation of TM4SF20, this mechanism is called 'regulated alternative translocation' (RAT) and regulates the function of the transmembrane protein (PubMed:27499293). {ECO:0000269 PubMed:25310401, ECO:0000269 PubMed:27499293}.
Molecular Weight:	25.1 kDa
UniProt:	Q53R12

Application Details

Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for
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Application Details

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
