

Datasheet for ABIN7544649

**TMEM45B Protein (AA 1-275) (His tag)**[Go to Product page](#)

## Overview

Quantity:	1 mg
Target:	TMEM45B
Protein Characteristics:	AA 1-275
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TMEM45B protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant TMEM45B Protein expressed in mammalian cells.
Sequence:	MANFKGHALP GSFFLIIGLC WSVKYPLKYF SHTRKNSPLH YYQRLEIVEA AIRTLFSVTG ILAEQFVPDG PHLHLYHENH WIKLMNWQHS TMYLFFAVSG IVDMLTYLVS HVPLGVDRDLV MAVAVFMEGF LFYYHVHNRP PLDQHIHSL LYLALFGGCVS ISLEVIFRDH IVLELFRTSL IILQGTWFQWQ IGFVLFPPFG TPEWDQKDDA NLMFITMCFC WHYLAALSIV AVNYSLVYCL LTRMKRHGRG EIIGIQLNS DDTYQTALLS GSDEE <b>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.</b>
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

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- 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.

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

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## Target Details

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Target:	TMEM45B
Alternative Name:	TMEM45B ( <a href="#">TMEM45B Products</a> )
Background:	Transmembrane protein 45B,FUNCTION: Plays a role in innate immunity (PubMed:35938871). Mechanistically, promotes alphaviruses RNA degradation by interacting with the viral polymerase nsP4 and the mRNA-capping enzyme nsP1 and thereby interfering with the interaction between viral RNA and nsP1.(PubMed:35938871). {ECO:0000269 PubMed:35938871}.
Molecular Weight:	31.8 kDa
UniProt:	<a href="#">Q96B21</a>

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## Application Details

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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

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## Handling

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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