

Datasheet for ABIN7544254  
**TMEM161B Protein (AA 1-487) (His tag)**



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## Overview

Quantity:	1 mg
Target:	TMEM161B
Protein Characteristics:	AA 1-487
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TMEM161B protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant TMEM161B Protein expressed in mammalian cells.
Sequence:	<p>MGVIGIQLVV TMVMASVMQK IIPHYSLARW LLCNGSLRWY QHPTEELRI LAGKQQKGKT KKDRKYNGHI ESKPLTIPKD IDLHLETKSV TEVDTLALHY FPEYQWLVDV TVAATVVYLV TEVYYNFMKP TQEMNISLVW CLLVLSFAIK VLFSLTTHYF KVEDGGERSV CVTFGFFFFV KAMAVLIVTE NYLEFGLETG FTNFSDSAMQ FLEKQGLESQ SPVSKLTFKF FLAIFCSFIG AFLTFPGLRL AQMHLDALNL ATEKITQTL HINFLAPLFM VLLWVKPITK DYIMNPPLGK ESIPLMTEAT FDTLRLWLII LLCALRLAMM RSHLQAYLNL AQKCVDQMCK EAGRISTVEL QKMVARVFYY LCVIALQYVA PLVMLLHTTL LLKTLGNHSW GIYPESISTL PVDNSLLSNS VYSELPSAEG KMKVTVTQIT VALSSLKNIF TPLFRGLLS FLTWWIAACL FSTSLFGLFY HQYLTVA</p> <p><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></p>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different

## Product Details

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isoform, please contact us regarding an individual offer.

### Characteristics:

#### Key Benefits:

- 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

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### Target:

TMEM161B

### Alternative Name:

TMEM161B ([TMEM161B Products](#))

### Background:

Transmembrane protein 161B,FUNCTION: Essential for maintaining normal cardiac rhythm in the developing heart and for neonatal survival (By similarity). Inhibits potassium and calcium currents in the cardiomyocytes, this assists in timely action potential repolarization and thereby maintains normal cardiac rhythm (By similarity). {ECO:0000250|UniProtKB:Q8C2L6}.

### Molecular Weight:

55.5 kDa

### UniProt:

[Q8NDZ6](#)

## 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

## 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