

FOR IN VITRO RESEARCH USE ONLY.  
NOT FOR USE IN HUMANS OR ANIMALS.

# Recombinant human TMEM5 protein



## Basic Information

<b>Catalog Number:</b>	Ag10654	<b>Peptide Sequence:</b>
<b>Size:</b>	50 $\mu$ g	TDLHSVQIWGKAAIGLYLWEHIFEGLLDPSDVTAQWRE
<b>Form:</b>	Available lyophilized	GKSIVGRTQYSFITGPAVIPGYFSVDVNNVVLINGRE
<b>Species:</b>	human	KAKIFYATQWLLYAQNLVQIQLQHLAVVLLGNEHC
<b>Expression Source:</b>	<i>e coli</i> -derived, PET28a, with N-terminal 6 <sup>His</sup> .	DNEWINPFLKRNGGFVELLFIYDSPWINDVDVFQWP
<b>Biological Activity:</b>	Not tested	LGVATYRNFPVVEASWSMLHDERPYLCNFGLTIYENS
<b>Endotoxin Level:</b>	Please contact the lab for more information	SRQALMNIILKKDGNDKLCWVSAREHWQPQETNESLK
		NYQDALLQSDLTLCPVGVNTECYRIYEACSYGSIPVV
		EDVMTAGNCGNTSVHHGAPLQLKSMGAPFIFIKNW
		KELPAVLEKEKTIILQEKIERRKMLLQWYQHFKTEL
		(96-425 aa encoded by BC013152)

## Reconstitution and Storage

**Reconstitution:**  
Reconstitute at 0.25  $\mu$ g/  $\mu$ l in 200  $\mu$ l sterile water for short-term storage.  
After reconstitution with sterile water, if glycerol has no effect on subsequent experiments, it is recommended to add an equal volume of glycerol for long-term storage (see Stability and Storage for more details).  
If a different concentration is needed for your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used).  
Note: Centrifuge vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution.

**Shipping:**  
The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature (see below).

## Purity

85%, by SDS-PAGE with Coomassie Brilliant Blue staining.

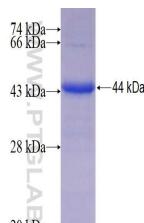
## Formulation

The purified protein was Lyophilized from sterile PBS (58mM Na<sub>2</sub>HPO<sub>4</sub>, 17mM NaH<sub>2</sub>PO<sub>4</sub>, 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 300mM imidazole.

## Stability and Storage

**Short Term Storage:**  
Store at 2-8°C for (1-2 weeks).  
**Long Term Storage:**  
Aliquot and store at -20°C to -80°C for up to 3 months, buffer containing 50% glycerol is recommended for reconstitution.  
Avoid repeat freeze-thaw cycles.

## Selected Validation Data



For technical support and original validation data for this product please contact:  
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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