

## Product datasheet for **TP501773**

### **Tmco1 (NM\_001039483) Mouse Recombinant Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Purified recombinant protein of Mouse transmembrane and coiled-coil domains 1 (Tmco1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
<b>Species:</b>	Mouse
<b>Expression Host:</b>	HEK293T
<b>Expression cDNA Clone or AA Sequence:</b>	>MR201773 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	 MSTMFADTLLIVFISVCTALLAEGITWVLVYRTDKYKRLKAEVEKQSKKLEKKKETITESAGRQKKKIE RQEEKLKNNNRDLSMVRMKSMFAIGFCFTALMGMFNSIFDGRVVAKLPFTPLSYIQGLSHRLLGDDTTD CSFIFLYILCTMSIRQNIQKILGLAPSRAATKQAGGFLGPPPPSGKFS  <b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
<b>Tag:</b>	C-MYC/DDK
<b>Predicted MW:</b>	21.6 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C after receiving vials.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<u><a href="#">NP_001034572</a></u>
<b>Locus ID:</b>	68944
<b>UniProt ID:</b>	<u><a href="#">Q921L3</a></u> , <u><a href="#">Q3V4A0</a></u>
<b>RefSeq Size:</b>	4474
<b>Cytogenetics:</b>	1 H2.3



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RefSeq ORF: 567

Synonyms: 1190006A08Rik; 4930403O06Rik; AA109065; AU022572; ESTM39

Summary: Calcium-selective channel required to prevent calcium stores from overflowing, thereby playing a key role in calcium homeostasis (PubMed:27212239). In response to endoplasmic reticulum overloading, assembles into a homotetramer, forming a functional calcium-selective channel, regulating the calcium content in endoplasmic reticulum store (PubMed:27212239). [UniProtKB/Swiss-Prot Function]