

Recombinant Mouse Tmco1 Protein, Myc/DDK-tagged

Cat. No. Tmco1-6460M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length transmembrane and coiled-coil domains 1 (Tmco1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Calcium-selective channel required to prevent calcium stores from overfilling, thereby playing a key role in calcium homeostasis. In response to endoplasmic reticulum overloading, assembles into a homotetramer, forming a functional calcium-selective channel, regulating the calcium content in endoplasmic reticulum store.
Molecular Mass	21.6 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

GENE INFORMATION

Gene Name	Tmco1 transmembrane and coiled-coil domains 1 [Mus musculus (house mouse)]
Official Symbol	Tmco1
Synonyms	Tmco1; transmembrane and coiled-coil domains 1; ESTM3; ESTM39; AA109065; AU022572; 1190006A08Rik; 4930403O06Rik; calcium load-activated calcium channel; CLAC channel; transmembrane and coiled-coil domain-containing protein 1
Gene ID	68944
mRNA Refseq	NM_001039483
Protein Refseq	NP_001034572
UniProt ID	Q921L3

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