

Recombinant Mouse Tm4sf20 Protein, Myc/DDK-tagged

Cat. No. Tm4sf20-6457M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length transmembrane 4 L six family member 20 (Tm4sf20), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Polytopic transmembrane protein. Inhibits regulated intramembrane proteolysis (RIP) of CREB3L1, inhibiting its activation and the induction of collagen synthesis. In response to ceramide, which alters TM4SF20 membrane topology, stimulates RIP activation of CREB3L1. Ceramide reverses the direction through which transmembrane helices are translocated into the endoplasmic reticulum membrane during translation of TM4SF20, this mechanism is called 'regulated alternative translocation' (RAT) and regulates the function of the transmembrane protein.
Molecular Mass	25.2 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

 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

Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name Tm4sf20 transmembrane 4 L six family member 20 [Mus musculus (house mouse)]

Official Symbol Tm4sf20

Synonyms TM4SF20; transmembrane 4 L six family member 20; transmembrane 4 L6 family member 20; 1810018L02Rik; MGC143474

Gene ID 66261

mRNA Refseq NM_025453

Protein Refseq NP_079729

UniProt ID Q9CQY8

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