

Product datasheet for TP524367

Tm4sf20 (NM_025453) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse transmembrane 4 L six family member 20 (Tm4sf20), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR224367 representing NM_025453 Red=Cloning site Green=Tags(s)

MTCCEGWTSNCGFSLLLILLGWINCIPLGISLVEADSTSQNPISCYEWWFPGIIGAGLMAIPATTMSL
AARKRACCNNKTGMFLSSLFSVITVVGAVYCMLVSLQALLEGPLICNTQANSTVTCEFSLKNLSKFDPEP
FNLLWFFNGTCVSPTDFKNPTINMVSNWKIPNSNSEEDRHRIFHFSVFMSSLLLVGILELLFGLSQILIG
FLGCLCGVSQRRSQIV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	25.2 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP_079729</u>
Locus ID:	66261
UniProt ID:	<u>Q9CQY8</u>
RefSeq Size:	1503



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Cytogenetics: 1 C5

RefSeq ORF: 678

Synonyms: 1810018L02Rik

Summary: 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.[UniProtKB/Swiss-Prot Function]