

Product datasheet for TP501673

Cmtm6 (NM_026036) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse CKLF-like MARVEL transmembrane domain containing 6 (Cmtm6), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR201673 protein sequence Red=Cloning site Green=Tags(s)
	MENGA VYSP TTEA A PGTGRG ARSGLA AYFVLGR LPWHRRILKGLQLLLSLLAFICEEWSECGLCGGLYF FEFVSCSAFLLSLLLLIVYCTPVHDRVDTGKVKSSDFYITLGTGCVFLLASII FVSTHSGTSAEIAAIVF GFLASSMFLLD FVVMLCEKLR ESPLRKPENNAKVEALTEPLNA
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	19.8 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:	NP_080312
Locus ID:	67213
UniProt ID:	Q9CZ69
RefSeq Size:	3352
Cytogenetics:	9 F3



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RefSeq ORF: 552

Synonyms: 2810051A14Rik; AA536733; Cklfsf6

Summary: Master regulator of recycling and plasma membrane expression of PD-L1/CD274, an immune inhibitory ligand critical for immune tolerance to self and antitumor immunity. Associates with both constitutive and IFNG-induced PD-L1/CD274 at recycling endosomes, where it protects PD-L1/CD274 from being targeted for lysosomal degradation, likely by preventing its ubiquitination. May stabilize PD-L1/CD274 expression on antigen presenting cells and potentiates inhibitory signaling by PDCD1/CD279, its receptor on T-cells, ultimately triggering T-cell anergy.[UniProtKB/Swiss-Prot Function]