

Recombinant Mouse Cmtm6 Protein, Myc/DDK-tagged

Cat. No. Cmtm6-2212M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length CKLF-like MARVEL transmembrane domain containing 6 (Cmtm6), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	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.
Molecular Mass	19.8 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.

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Concentration >50 µg/mL as determined by microplate BCA method

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

GENE INFORMATION

Gene Name Cmtm6 CKLF-like MARVEL transmembrane domain containing 6 [Mus musculus (house mouse)]

Official Symbol Cmtm6

Synonyms CMTM6; CKLF-like MARVEL transmembrane domain containing 6; CKLF-like MARVEL transmembrane domain-containing protein 6; chemokine-like factor superfamily 6; chemokine-like factor super family 6; chemokine-like factor superfamily member 6; Cklfsf6; AA536733; 2810051A14Rik

Gene ID 67213

mRNA Refseq NM_026036

Protein Refseq NP_080312

UniProt ID Q9CZ69

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