

## Recombinant Mouse Cmtm6 Protein, Myc/DDK-tagged

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

### SPECIFICATION

<b>Product Overview</b>	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.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>Description</b>	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.
<b>Molecular Mass</b>	19.8 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>Storage</b>	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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