

## Product datasheet for **MR201673**

### **Cmtm6 (NM\_026036) Mouse Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Cmtm6 (NM\_026036) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Cmtm6  
**Synonyms:** 2810051A14Rik; AA536733; Cklfsf6  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR201673 ORF sequence  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAGAACGGAGCGGTCTACAGTCCCACCACCGAGGGCGCCCGGGCACTGGCAGGGGTGCGCGCAGCG  
GCCTGGCCGCCTACTTCGTCCTGGGCAGGCTCCCTTGGCATCGGCGCATCCTCAAAGGCTTGACGCTGCT  
GCTGTCTCTCTGGCCTTCATCTGTGAAGAGTTGTGTCCGAGTGTGGTTGTGTGGAGGCTCTACTTC  
TTTGAATTTGTGAGCTGTAGCGCCTTCTCCTGAGCCTCCTCCTGCTGATCGTGTACTGCACCCAGTGC  
ACGACAGAGTGGATACTGAAAAGTCAAGTCATCGGATTTTACATCACCTGGGAAGTGGGTGTGTGTT  
CCTGCTGGCATCTATCATTTTTGTCTCCACCCATTCTGGGACCTCAGCTGAAATTGCTGCAATTGTGTT  
GGCTTCTTGGCAAGCTCCATGTTCTACTGGACTTCGTTGTCATGCTGTGTGAGAAGCTGCGGGAGAGCC  
CGCTGAGAAAGCCGAGAAACAACGCAAAGGTGGAAGCCCTCACCGAACCACTGAACGCT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR201673 protein sequence  
**Red=Cloning site Green=Tags(s)**

MENGAVYSPTTEAAPGTGRGARSGLAAYFVLRPLPWRRILKGLQLLLSLLAFICEEVVSECGLCGGLYF  
FEFVSCSAFLLSLLLLIVYCTPVHDRVDTGKVKSSDFYITLGTGCVFLLASIIIFVSTHSGTSAEIAAIVF  
GFLASSMFLDFVVMLCEKLRESPLRKPENNAKVEALTEPLNA

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI

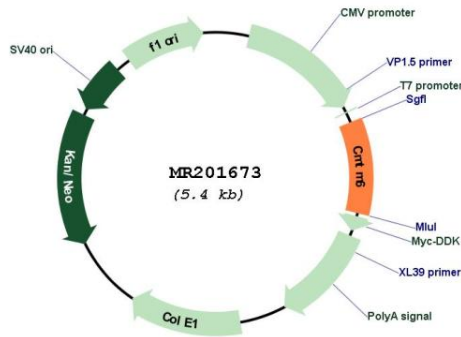




**MW:** 19.8 kDa

**Gene 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]

**Product images:**



Circular map for MR201673