

## Product datasheet for **MC201503**

### **Cmtm6 (NM\_026036) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Cmtm6 (NM_026036) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cmtm6
Synonyms:	2810051A14Rik; AA536733; Cklfsf6
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:**

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>BC027248 sequence for NM_026036
GGGCGATGGAGAACGGAGCGGTCTACAGTCCCACCACCGAGGCGGCCCGGGCACTGGCAGGGGTGCGCG
CAGCGGCTGGCCGCTACTTCTGCTCTGGGCAGGCTCCCTTGGCATCGGCGCATCCTCAAAGGCTTGCA
CTGCTGCTGTCTCTCTGGCCTTCTGTGAAGAGGTTGTGTCCGAGTGTGGTGTGTGGAGGCTCT
ACTTCTTTGAATTTGTGAGCTGTAGCGCTTCTCTGAGCCTCCTGCTGATCGTGTACTGCACCC
AGTGCACGACAGAGTGGATACTGAAAAAGTCAAGTCATCGGATTTTACATCACCTGGAACTGGGTGT
GTGTTCTGCTGGCATCTATCATTTTTGTCTCCACCCATTCTGGGACCTCAGTCAAATGCTGCAATTG
TGTTTGGCTTCTTGGCAAGCTCCATGTTCTACTGGACTTCGTTGTCATGCTGTGTGAGAAGCTGCGGGA
GAGCCCGCTGAGAAAGCCGAGAAACAACGCAAAGTGGAAGCCCTCACCGAACCACTGAACGCTTAAAGA
CACAGAGCCGGGTGTGGACCAAAAGAGAGGCTCCCTCTGTGTGACCTGTGTGCTGTGTGCACCTTTGG
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CCCCAGCAGGAAGCTCAGAGGTTTGAATAATGCTTGGAACTGTGCGGAGTGGAGGAGATTGTTTGT
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GAACCGTTAACTTCTGTGTTGCCGAGATTTAATGAGTGTAAAGATGCTGGTGTAGGCGTCTTCTCT
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GGGAGAGGTCTTGAAGATGTAACCCCTGAAGCCCTGCTAGTGAGTACTGCTGGTGGTGTGGGAGGCC
GCAGGCCCTCTGGGACTCTGGAAGGATCGCTTGTGCTGGAGGGCTGTCTTAGAACCACTGGGCGCCCTT
CCGACCCGGGGACCCTTCTCCCTTCTGCTTCTTCTAGAGCTTGAAGGAGATCCAGCAGTCCAGG
CCTTCTGTGCACTGGCAAGGTTCCAGGCTGGGCTTCTCTTGGAGTGGTGCATGGATCGTGTTC
CGGGGATTCACTGTAAGTCCCCGTCCTTCCAGTGTCTTGCCTGCTGGTGTGGAAGGAGATGGTTT
CAGTTTCTAGTGAAGCTGTGGCAGTCTTGAAGTGGATGAATCTGGGCACACAGCTTCTGCCCTGCC
CTGCCCTACTGCCTGATCTGCTGTCTCAAGGTTTACATCTGGTGTGTCACCATAGCTGCTCTGGAGA
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ACCAAGAATAGAGAAGTTCAAAAGTAAACAGTCTATTGCAGACAATTTTAGAGTTTTATATCAAGCTGTG
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GTTAATCTTGGCTTGCAGTTTGTAGGCTTGGCCCTTAGTCAGACCTGCTGTTTGTAGACAGCAACAT
CACTTGGGAGTTTGTGTAGATCTGGAAGCAAGGAAAGAGGGCGTGGCTTGAAGTCTGAGGTCAT
TAAGGGCACACCCTCTGACCTAAGACCTCACTAGGCCCGCCTTAAAGGTTTCTGACCTCAATAGTG
CCTTCTGGAGAAGTCTAAGTCTCAAGCCCTTGGGGACATTGCATCTCAGTAGTAGGTGCCTCTC
TACCTGTGTTGGCTTGTTCATGATTGGCAGACTCTGCCTGGCTCTGCACAGCAGCGGCTCAGCATCA
GCATCCAGCTGCTTGTGTGTGTAGTTGTCTCACAGCTGAGGGCTCTGCCTCGGCTACTTCAGGCTTTC
CGGTTAGGAAGATAATTTGGTCACTTGTGTCTGTGGCCACTCTTAGAATTTTCTTTTTGAGGGAACCTG
TGACTGGTTGGCTTTGCACTTATGGAGGAGATGGGGTTAAAGACTGTGGCAACACACCCCTCCAGA
AGAGCTGGGACCAGAGACTGTCAGCACAGAAAGGACAATGTCTTTTTTAGTAGCTGTGGCAGACTTGAGT
TGCTGTAATTTATACAAATGTTTGAATGGTTTTAAGACTAAGAAGGGAAATATACTTATTGCACAAG
ACTTTTATAATTAATACTTAAATATGCTCTATGTGGGACTGAGAAGTGTATTTCTAGTGTGCTTAT
ATCTGATCACTTTTGTATTTGTTGATTTAAAGCCTGTGGGCTTTTTTTTTTAATCACTCTTAATATCAAC
TTTTATAATCTTTTAAAAATAATCCTCTTAATTCAAAAAATAAAAAAAAAAAAAAAAAAAAAA
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**Restriction Sites:**

RsrII-NotI

<b>ACCN:</b>	NM_026036
<b>Insert Size:</b>	552 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>Components:</b>	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li></ol>
<b>RefSeq:</b>	<a href="#">BC027248</a> , <a href="#">AAH27248</a>
<b>RefSeq Size:</b>	3347 bp
<b>RefSeq ORF:</b>	552 bp
<b>Locus ID:</b>	67213
<b>UniProt ID:</b>	<a href="#">Q9CZ69</a>
<b>Cytogenetics:</b>	9 F3
<b>Gene Summary:</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.[UniProtKB/Swiss-Prot Function]