

Product datasheet for **MC205430**

Cmtm4 (NM_153582) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cmtm4 (NM_153582) Mouse Untagged Clone
Tag: Tag Free
Symbol: Cmtm4
Synonyms: Cklfsf4; D19397; ENSMUSG00000051554; Gm9853
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >BC028852

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CGCGCGGGGCGGCAGCATGCGGGGCGGCGAGGAGCTGGACGGCTTCGAGGGCGAGGCCTCGAGCACCTCC
ATGATCTCGGGGCCAGCAGCCCGTACCAACCCACCACCGAGCCGGTGAGCCAGCGCCGGGGCTGGCCG
GCCTGCGCTGCGACCCGACTACCTGCGCGGCGCGCTCGGCCCGCTCAAGGTCGCCCAAGTGATTCTGGC
CTTGATTGCATTTATCTGCATCGAGACTATCATGGAGTGTCTCCCGTGCGAAGGCCTCTACTTCTTTGAG
TTCGTAAGCTGCAGTGCATTTGTGGTGAAGTGGTCTGCTGATTCTCTCAGCCTCAACCTTCATATGA
GGATCCCCCAGATCAACTGGAATCTAACAGATTTGGTCAACACTGGACTCAGCACTTTCTTTTTCTTTAT
CGCCTCAATCGTGTGGCTGCTTAAACCATAAAACCGGAGCGGAAATTGCTGCCGTGATATTTGGCTTC
TTGGCAACAGCAGCCTATGCAGTGAGCACATTCTGGCCATGCAGAAATGGAGAGTCAGCGTCCGCCAGC
AGAGCACTAATGACTACATCCGAGCTCGCACCGAGTCGAGAGATGTGGACAGCCGCCCTGAGATCCAGCG
CCTGGACACATGAGAACGTCTGGAGTTCTCCCGCTGCCCTCGTGCCCGTCTTCTAATCAAGTTTTCTTT
CTCTTAGCACGTGAGATTTTGTGTGAACCAGCTGAATTTTGTCTGTTTGGTAAAAAATCACTTTGGGA
AAGTTGCTTAGAGTGGCCAGTGAAGTGAAGTGTGATGGTACAGATCCAAAGAGGCCAGGTCTCT
CTGACCTTGGGTGCCCGTGGGAGCAGCCGACTTAAATGACTGCTTAGGTCTTAACTGTCCGTCTCAGAA
CTCACGGTGTACCTGACTCTGAGCCACCTGTGCATGTGTATTTGTGTGAGTCAAAACCTTAATAAATG
GCATTGAGAAGGGAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
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Restriction Sites: RsrII-NotI
ACCN: NM_153582
Insert Size: 627 bp

OTI Disclaimer: 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).



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Components:	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).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.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.
RefSeq:	<u>BC028852</u> , <u>AAH28852</u>
RefSeq Size:	1043 bp
RefSeq ORF:	627 bp
Locus ID:	97487
UniProt ID:	<u>Q8CJ61</u>
Cytogenetics:	8 D3
Gene Summary:	Acts as a backup for CMTM6 to regulate plasma membrane expression of PD-L1/CD274, an immune inhibitory ligand critical for immune tolerance to self and antitumor immunity. May protect PD-L1/CD274 from being polyubiquitinated and targeted for degradation. [UniProtKB/Swiss-Prot Function]