

Product datasheet for MC208952

Cma1 (NM_010780) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cma1 (NM_010780) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cma1
Synonyms:	Mcp; Mcp-; Mcp-5; Mcp5; Mcpt; Mcpt5; MMCP-; MMCP-5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC208952 representing NM_010780 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGCCTGCAGCAGCCCTGAGGAGGCCCTCTGAGAGGATGCATCTTCTACTCTTCATCTGCTGCTCC
TTCTCCTGGGTTCCAGCACCAAAGCTGGAGAGATCATTGGAGGCACGGAGTGCATACCACACTCCCGCCC
CTACATGGCCTATCTGGAAATTGCACTTCTGAGAACTACCTGTCGGCCTGCAGTGGCTTCTGATAAGA
AGAAACTTTGTGCTGACTGCAGCTCACTGTGCGGAAGGTCTATAACAGTCTCTAGGAGCCATAACA
AAACATCTAAAGAAGACACGTGGCAGAAGCTTGAGGTGGAAAAGCAATTCCTTCATCCAAAATATGATGA
GAATTTGGTTGTCCACGACATCATGCTACTGAAGTTGAAGGAGAAAGCCAAGCTAACCTAGGTGTGGGA
ACCCTCCCACTCTCTGCCAACTTCAACTTTATCCACCCGGGAGAATGTGCAGGGCAGTTGGCTGGGGCA
GAACAAACGTGAATGAGCCAGCCTCCGACACACTGCAGGAAGTAAAGATGAGACTCCAGGAGCCCAAGC
CTGCAAACTTCACCAGTTTTTCGACACAATTCAGCTGTGTGTGGCAACCCCAAGAAGATGCAAAAT
GTATAAAGGGAGACTCTGGAGGACCTCTGCTGTGTGTGGGATAGCCCAAGGCATTGCATCCTATGTAC
ATCGGAATGCAAAGCCCTGCTGTCTTACCAGAATCTCCATTACAGGCCCTGGATCAATAAGATCTT
GAGGGAGAATTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_010780
Insert Size:	783 bp



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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).
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:	NM_010780.3 , NP_034910.2
RefSeq Size:	1090 bp
RefSeq ORF:	744 bp
Locus ID:	17228
UniProt ID:	P21844
Cytogenetics:	14 28.19 cM
Gene Summary:	This gene encodes a serine protease that belongs to the peptidase family S1. It is expressed in mast cells and is thought to function in the degradation of the extracellular matrix, the regulation of submucosal gland secretion, and the generation of vasoactive peptides. The encoded preproprotein undergoes proteolytic processing to generate a functional enzyme with elastase-like activity. Mice lacking the encoded protein exhibit significant attenuation of ischemia-reperfusion injury of the skeletal muscle. This gene is located in a cluster of related mast cell protease genes on chromosome 14. [provided by RefSeq, Nov 2015]