

Product datasheet for **MC217126**

Serping1 (NM_009776) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Serping1 (NM_009776) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Serping1
Synonyms:	C1INH; C1nh
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC217126 representing NM_009776
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGGCCTCCAGGCTGACCCCACTGACCCTCTGCTGCTGCTGCTGGCTGGGGATAGAGCCTTCTCAGATC
CCGAAGCTACCAGCCACAGCACCCAGGATCCACTGGAGGCTCAAGCGAAAAGCAGAGAGAGCTTCCCTGA
AAGAGATGACTCCTGGAGTCCCCAGAGCCTACAGTACTGCCCTTACCTGGCCAACAACCAAGTGTAGCC
ATCACAATAACAAATGACACCATGGGTAAGTAGCCAACGAGTCTTCCAGCCAGCACAGCCAGCCAGCTG
CTCAGCTACCCACAGATTCTCCAGGACAGCCCCCTCTGAATTCTTCCAGCCAGCCCTCCACTGCCTCAGA
TCTTCCCACCCAGGCTACTACTGAACCCTTCTGCCCGGAGCCGCTTGCTCAGTGTCTGATTAGACAGA
GACTCCTCAGAGGCAAAGCTCTCAGAGGCTTTGACAGATTTCTCTGTGAAGCTCTACCACGCCTTCTCAG
CTACCAAGATGGTAAGACCAACATGGCCTTTTCCCATTTCAGCATTGCCAGCCTCCTCACACAGTTCT
TCTTGGGGCTGGAGACAGCACCAAGAGCAACTGGAGAGCATCCTTCTACCCCAAGGATTTTGCCTGT
GTCCACCAAGCACTAAAGGGCTTTTCATCCAAAGGTGTCACCTTCTGTGTCTCAGATTTTCCACAGCCAG
ATCTGGCCATAAGGGACACCTATGTGAATGCATCTCAGAGCCTGTATGGAAGCAGCCCCAGAGTCCCTGGG
CCCAGACAGTGTCTAACTTAGAACTCATCAACACCTGGGTGGCTGAGAACACCAACCATAAAGTCCGC
AAGCTGTGGACAGCCTGCCTTCTGACACCTGCCTCGTCTTCTCAATGTGTCTACTTGAGTGCCAAGT
GGAAGATAACATTTGAACCAAAAAGATGATGGCGCCTTCTTCTACAAAACTCTATGATTAAGTGCC
CATGATGAGTAGCGTAAAGTACCCTGTGGCCCAATTCGATGACCACTTTGAAGCCAAGGTGGGACAG
CTGCAGCTCTCTACAACCTGAGCTTTGTGATCGTGGTACCCGTGTTCCCAAAGCACCAACTTAAAGATG
TAGAAAAGGCTCTCAACCCCACTGTCTTCAAGGCCATCATGAAGAAGCTGGAGCTGCCAAATTCCTGCC
CACTTACCTGACGATGCCTCATATAAAAGTAAAGAGCAGCCAAGACATGCTGTGTCAGTCATGGAGAACTG
GAATTCCTTGACTTCACTTACGATCTCAACCTGTGCGGGCTGACCGAGGCCAGATCTTCAAGTGTCTG
CCATGAAACACGAGACAGTGTGGAAGTACAGAGTACAGGGTGGGAAGCAGCTGCAGCCTCTGCCATCTC
CTTTGGCCGAAGCTTACCCATCTTTGAGGTGCAGCGACCTTCTCTTCTGCTCTGGGACCAGCAACAC
AGGTTCCAGTCTTCATGGGTGCTATATGACCCAGGGGT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_009776

Insert Size: 1515 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).

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:

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_009776.3](#), [NP_033906.2](#)

RefSeq Size: 1837 bp

RefSeq ORF: 1515 bp

Locus ID: 12258

UniProt ID: [P97290](#)

Cytogenetics: 2 D

Gene Summary: Activation of the C1 complex is under control of the C1-inhibitor. It forms a proteolytically inactive stoichiometric complex with the C1r or C1s proteases. May play a potentially crucial role in regulating important physiological pathways including complement activation, blood coagulation, fibrinolysis and the generation of kinins. Very efficient inhibitor of FXIIa. May inhibit chymotrypsin and kallikrein.[UniProtKB/Swiss-Prot Function]