

Product datasheet for **MR208108**

Serping1 (NM_009776) Mouse Tagged ORF Clone

Product data:

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



[View online »](#)

ORF Nucleotide Sequence:

>MR208108 representing NM_009776
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCCTCCAGGCTGACCCCACTGACCCTCTGCTGCTGCTGCTGGCTGGGGATAGAGCCTTCTCAGATC
 CCGAAGCTACCAGCCACAGCACCCAGGATCCACTGGAGGCTCAAGCGAAAAGCAGAGAGAGCTTCCCTGA
 AAGAGATGACTCCTGGAGTCCCCAGAGCCTACAGTACTGCCCTTACCTGGCCAACAACCAAGTGTAGCC
 ATCACAATAACAAATGACACCATGGGTAAGTAGCCAACGAGTCTTCAGCCAGCACAGCCAGCCAGCTG
 CTCAGCTACCCACAGATTCTCCAGGACAGCCCCCTCTGAATTCTTCCAGCCAGCCCTCCACTGCCTCAGA
 TCTTCCCACCCAGGCTACTACTGAACCCTTCTGCCCGGAGCCGCTTGCTCAGTGTCTGATTAGACAGA
 GACTCCTCAGAGGCAAAGCTCTCAGAGGCTTTGACAGATTTCTCTGTGAAGCTCTACCACGCCTTCTCAG
 CTACCAAGATGGTAAGACCAACATGGCCTTTTCCCATTAGCATTGCCAGCCTCTCACACAGGTTCT
 TCTTGGGGCTGGAGACAGCACCAAGAGCAACTGGAGAGCATCCTTCTACCCCAAGGATTTTGCCTGT
 GTCACCAAGCACTAAAGGGCTTTTCATCCAAAGGTGTCATTCTGTGTCTCAGATTTTCCACAGCCAG
 ATCTGGCCATAAGGGACACCTATGTGAATGCATCTCAGAGCCTGTATGGAAGCAGCCCAGAGTCTGGG
 CCCAGACAGTGTGCTAACTTAGAACTCATCAACACCTGGGTGGCTGAGAACCAACCAATAAGATCCGC
 AAGCTGTGGACAGCCTGCCTTCTGACACCTGCCTCGTCTTCTCAATGTGTCTACTTGAGTGCCAAGT
 GGAAGATAACATTTGAACAAAAAAGATGATGGCGCCTTCTTCTACAAAACTCTATGATTAAGTGCC
 CATGATGAGTAGCGTAAAGTACCCTGTGGCCCAATTGATGACCACTTTGAAGCCAAGTGGGACAG
 CTGCAGCTCTCTACAACCTGAGCTTTGTGATCGTGGTACCCGTGTTCCCAAAGCACCAACTAAAGATG
 TAGAAAAGGCTCTCAACCCCACTGTCTTCAAGGCCATCATGAAGAAGCTGGAGCTGTCCAATTCCTGCC
 CACTTACCTGACGATGCCTCATATAAAAGTAAAGAGCAGCCAAGACATGCTGTGAGTCTGGAGAACTG
 GAATTCCTTGACTTCACTTACGATCTCAACCTGTGCGGGCTGACCGAGGCCAGATCTTCAAGTGTCTG
 CCATGAAACACGAGACAGTGTGGAAGTACAGAGTCAAGGGTGGAAAGCAGCTGCAGCCTCTGCCATCTC
 CTTTGGCCGAAGCTTACCCATCTTTGAGGTGCAGCGACCTTCTCTCTGCTCTGGGACCAGCAACAC
 AGGTTCCAGTCTTATGGGTCGTATATGACCCAGGGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR208108 representing NM_009776
 Red=Cloning site Green=Tags(s)

MASRLTPLTLLLLLLAGDRAFSPEATSHSTQDPLEAQAKSRESFPERDDSWSPPEPTVLPSTWPTTSVA
 ITITNDTMGKVANESFSQHSQPAALPTDSPGQPPLNSSSQPSTASDLPTQATTEPFCPEPLAQCSDDSR
 DSSEAKLSEALTDVSVKLYHAFSATKMAKTNMAFSPFSIASLLTQVLLGAGDSTKSNLESILSYPKDFAC
 VHQALKGFSSKGVTSVSQIFHSPDLAIRDTYVNASQSLYGSSPRVLGPDSANLELINTWVAENTNHKIR
 KLLDLSLPSDTCLVLLNAVYLSAKWKITFEPKMMAPFFYKNSMIKVPMMSSVKYPVAQFDDHTLKAKVGQ
 LQLSHNLSFVIVVPVFPKHQLKDVEKALNPTVFKAIMKKLELSKFLPTYLTMPHIKVKSSQDMLSVMEKL
 EFFDFTYDLNLCGLTEDPDLQVSAMKHETVLEL TEGSVEAAAASAI SFGRSLP IFEVQRPFL FLLWDQQH
 RFPVFMGRVYDPRG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_009776

ORF Size: 1512 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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: 1775 bp

RefSeq ORF: 1515 bp

Locus ID: 12258

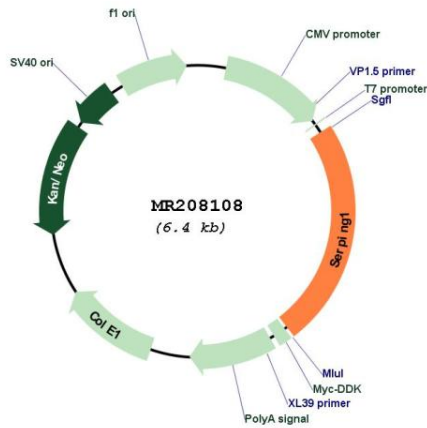
UniProt ID: [P97290](#)

Cytogenetics: 2 D

MW: 56 kDa

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]

Product images:



Circular map for MR208108