

Product datasheet for **MC214678**

Serp1b1c (NM_173051) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Serpinb1c (NM_173051) Mouse Untagged Clone
Tag: Tag Free
Symbol: Serpinb1c
Synonyms: EIC; ovalbumin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC214678 representing NM_173051
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGGGGCAGCTGAGTTCAGCCAACAACCTCTTTGCTTTGGAGCTGTTCCACACCCTGAATGAGAGCAACC
CCACAGGAAATACCATCTTCTCCCGTCAGCATTTCTTCTGCCTTGCCATGGTCTATCTGGGGCCAG
AGGCAGCACTGCAGCCCAACTCTAAGACTCTGCATTTTACTCTGCTGAGGACATCCATTACAGTTT
CAAAGCCTGACTGCTGAAGTGAGCAAGCGTGGAGCATCTCACACTCTGAAACTTGCTAACAGACTGTATG
GAGAGAAAACCTACAACCTCCTTCTGAGTACTTGGCTTCAATCCAGAAAACGTACAGTGTGACTTGGC
CCTTGTGGATTTTTCAGCATGCTTCTGAGGATGCAAGGAAGGAGATAAACCAGTGGGTCAAAGGTCAAACA
GAAGAGAAAATTCAGGAACTGTTTGTGTGGGTGTGGTGGACAGTATGACTAAACTTGTACTAGTGAATG
CCACCTATTTCAAGGGAATGTGGCAGAAAAATTCATGGCACGGGACACAACCGATGCTCCATTCCGACT
GAGTAAGAAAGTCACAAAAACAGTGAAGATGATGATCTAAAGAATAATCTTCCATTTGGCTACATTCCA
GACCTGAAGTCAAGGTGCTGGAGATGCCTTACCAGGGTGGAGAACTTAGCATGGTCACTTCTGCTGCCTG
AAGACATTGAGGACGAGACCACAGTCTTGAGGAGATTGAGAAACAATTAACCTTTGGAAAACTGCAAGA
ATGTGAGAACTTACAAAACATTGATGTCTGTGCAAAATGCCCAAATTCAGATGGAAGAGAGCTACATC
CTCAACTTAACCTGGGCCAACTGGGAGTGCAGGATCTTTTAGCAGCAGCAAAGCTGATCTCTCTGGCA
TGTCCGGATCCAGAGATCTTTTCATATCAAAAATGTTTCAACAAGTCTATGTGGAAGTGAATGAGGAGGG
AACAGAGACAGATGCTGCCATGCCAGGCACTGTTGTTGGATGCTGCCTGATGCCCATGGAATTCACGGTG
GACCATCCATTCTTTTCTTTCATTCCGGCACAATCCACGGCTCATGTGCTCTTCTTGGCAGGGTTTGT
CCCC**ATAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	NM_173051
Insert Size:	1128 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:	<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>NM_173051.2, NP_766639.2</u>
RefSeq Size:	1599 bp
RefSeq ORF:	1128 bp
Locus ID:	380839
UniProt ID:	<u>Q5SV42</u>
Cytogenetics:	13 13.76 cM
Gene Summary:	Regulates the activity of the neutrophil proteases. Forms only a stable complex with CTSG/Cathepsin G (By similarity). During inflammation, limits the activity of inflammatory caspases CASP1 and CASP4 by suppressing their caspase-recruitment domain (CARD) oligomerization and enzymatic activation (PubMed:30692621).[UniProtKB/Swiss-Prot Function]