

## Product datasheet for MC210721

### Serpina1f (NM\_001164742) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Serpina1f (NM\_001164742) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Serpina1f  
**Synonyms:** 0610012A11Rik; AI327419; epserin; Serpina2  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC210721 representing NM\_001164742  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGACAACACCCTTTTCTCCATGGACTCCTCCTGCTAGTGGGCTTGTGCTGTCTGCTTCTCATAACCA  
 AGACTAAACATGAAAACTCTATGAAGACCAAGCATTGATCCCTCCAGTGCCGGAAGGTGGCTCTTAC  
 CATCTGCAATGTCTCCATCACCTTGTTCAAAAAGATGGCCAACGTGTCAGGAAATGGAAATATTTTATTC  
 TCCCCGATTAGAGTCATTGCTGCCATTTCAATGCTGTCCCTGGGATCCAATGGCAACTTAAGCAAACACA  
 TCCTGGAGACTCTAAGGTTCAACAAAACAGGCTTGCTGAAGCGGAGATCCACAAGTGTTTCTGGTATCT  
 GCTCCATTCCATCCACCAGACTGAAGAGCCATCATCACTACAAACTGGTAGCAGCGTGTTCCACCAG  
 GACCTGACATCAGTAGACAAATTTGTGAAAGGAGTCAAGGACCTATACCATTCTGACATGATCTCCATCA  
 ACTTTACAGACAGCAGTCAGGCCAAGACACAGATCAACAATTACGTGATGGAGAAAAGCCAGAAGGAAAT  
 AGTGAACATTGTCAAGAACCTGGAGAGTGATACATTCCTGGCTGTGGTGAACATACATTATCTGGAATGCC  
 AACTTCGCAACCTACTTCATCATACCCGATCCAGGAAGATGCAGAAGGTGGAACAGAGCCTAACCTACC  
 CACACTTCGCGCGGATGAGACGACAATTATTGACAAGTTGGTTGATTTAGAGATACCAGAACTCTCATT  
 GTCTGAGACCCATGACTTGGAGTCAATGATGAGTCTACTAGGAATCACCTATGTTTTCAACAGTGGCACC  
 AATAGCTCTGACATGAATGACACACTTCAGAAAGTCTTCAAGGTGTAAGTAAGGCTGTGCTGACCATCG  
 ATGAAAAGGGGTCAAAGCCTAGTACAAACTCATGCTTTAAAAAGCTCGGATCGACTGATATGGGCCGGAT  
 GCAGCTCAACAGACCTTTCTCATCTTCCATCCAGGATCACACAAATGATGTCCCCTCTTTTTAGGCAGA  
 GTGGTAAATCCCCAGAACTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001164742



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<b>Insert Size:</b>	1071 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_001164742.1, NP_001158214.1</u>
<b>RefSeq Size:</b>	2853 bp
<b>RefSeq ORF:</b>	1071 bp
<b>Locus ID:</b>	68348
<b>UniProt ID:</b>	<u>Q9DCQ7</u>
<b>Cytogenetics:</b>	12 E
<b>Gene Summary:</b>	Inhibitor of serine proteases.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) differs in the 5' UTR and uses an alternate in-frame splice site in the middle portion of the coding region, compared to variant 1. This results in a shorter protein (isoform 2), compared to isoform 1.