

## Product datasheet for MC207406

### Serpinb5 (NM\_009257) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Serpinb5 (NM_009257) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Serpinb5
Synonyms:	1110036M19Rik; A1462524; A1646751; Maspin; ovalbumin; PI-5; Spi7
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC207406 representing NM_009257 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGATGCCCTGAGACTGGCAAATTCAGCTTTTGCTGTTGACTTGTTCAAACAATATGTGAAAGGGACC  
CAGCAGGAAACATTCTCTCTCTCCAATATGCCTCTACTTCTCTGTCCCTTGGCGAAGTGGGCACCAA  
AGGCGACACAGCAAATGAAATTGGACAGGTCCTTCATTTTGAAGATGTCAAAGATGTACCCTTTGGGTTT  
CAAACAGTCACTTCTGATGTTAATAAGCTCAGTCTTTTTACTCTTTGAACTTGTCAAGCGACTCTACA  
TAGACAAATCTCTGAACCTTCTACAGAATTTATCAGTCTACCAAAAAGACCATATGCAAAAAGAAATTGGA  
AACTGTTGACTTCAAAGACAAACTGGAAGAAACGAAAGGTCAAATTAACAGCTCCATTAAGGAGCTCACA  
GATGGCCACTTTGAGGACATTTTGTGAGAGAACAGTATAAGTGACCAGACCAAAATCCTTGTGGTTAATG  
CTGCCTACTTTGTTGAAAGTGGATGAAGAAATTTCCGGAATCAGAAACAAAAGAATGTCCTTTCAGAA  
CAGCAAGACAGACACCAAAACCCGTACAAATGATGAATCTTGAGGCCACTTCTGCTTGGGTAACATTGAT  
GACATCAGCTGTAAGATCATAGAATTCCTTTCCAGAATAAGCATCTGAGTATGCTCATTGTGCTCCCA  
AGGACGTGGAGGATGAGTCCACAGGCTGGAGAAGATTGAACAGCAACTCAACCCAGAAACATTGTTACA  
GTGGACCAACCCAGTACCATGGCCAATGCCAAAGTCAAATTTCCCTCCCAAAGTTAAGGTAGAAAAG  
ATGATTGATCCCAAGGCTAGTCTGGAAAGCCTAGGGCTGAAAAGTCTCTCAATGAAAGTACATCGGATT  
TCTCTGGAATGTCAGAGACCAAGGGAGTGTCCCTGTCAAATGTGATTCATAGAGTATGCCTAGAAAATAAC  
CGAAGATGGTGGTGAATCCATCGAGGTGCCAGGGTCCCGGATCTTACAGCACAAGGATGAATTCAATGCT  
GACCATCCATTTATTTATATCATTAGACACAACAAAACCGAAACATCATTTTCTTTGGCAAATCTGTT  
CTCCTTAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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<b>ACCN:</b>	NM_009257
<b>Insert Size:</b>	1128 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><a href="#">NM_009257.3</a></u> , <u><a href="#">NP_033283.1</a></u>
<b>RefSeq Size:</b>	2565 bp
<b>RefSeq ORF:</b>	1128 bp
<b>Locus ID:</b>	20724
<b>UniProt ID:</b>	<u><a href="#">P70124</a></u>
<b>Cytogenetics:</b>	1 E2.1
<b>Gene Summary:</b>	<p>Tumor suppressor. It blocks the growth, invasion, and metastatic properties of mammary tumors. As it does not undergo the S (stressed) to R (relaxed) conformational transition characteristic of active serpins, it exhibits no serine protease inhibitory activity (By similarity). [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1 and 2 both encode the same isoform (a). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>