

## Product datasheet for **RN210158**

### Serpina1 (NM\_022519) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Serpina1 (NM_022519) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Serpina1
Synonyms:	AAT; Pi; Spi1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN210158 representing NM_022519 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCACCTCCATCTCACGGGGCTCCTGCTTCTGGCAGGCCTGTGTTGCCTGGCCCCAGCTTCCTGG  
CTGAGGATGCCAGAAACCGATACCTCCAGCAGGACCAGAGTCCAACCTACCGTAAGATTTCTTCAA  
CCTGGCAGACTTTGCCTTACGCTATACCGGGAGCTGGTCCATCAATCCAATACATCCAACATCTTCTTC  
TCCCTATGAGCATCACACAGCCTTCGCCATGCTCTCCCTGGGAGCAAGGGTGACACTCGAAACAGA  
TTCTAGAGGGCCTGGAGTTCAACCTCACACAGATACCTGAGGCTGACATCCACAAGGCCTTCCATCACCT  
CCTCCAAACTCTCAACAGGCCAGACAGTGAGCTGACGCTGAACACAGGCAATGGCCTCTTTGTCAACAAG  
AATCTGAAGCTGGTGGAGAAGTTTCTGGAAGAGGTCAAGAACAATTACCACTCAGAAGCCTTCTCTGTCA  
ACTTTGCCGACTCAGAAGAGGCTAAGAAAGTAATTAATGATTATGTAGAGAAGGGAAACCAAGGAAAGAT  
AGTTGATTTGATGAAACAGCTGGACGAAGACACGGTTTTTGCCTGGTGAATTACATTTTCTTAAAGGC  
AAGTGAAGAGGCCATTCAATCCTGAGCACACTAGGGATGCTGACTTCCACGTAGACAAGTCCACCACGG  
TGAAGTGCCCATGATGAACCGCCTGGGCATGTTTGACATGCACTATTGCAGCACACTGTCCAGCTGGGT  
GCTGATGATGGATTACCTGGGCAACGCCACTGCCATCTTCTCCTGCCGATGATGGCAAGATGACAGCAT  
CTGGAGCAAACCTCACCAAGGATCTCATTCCCGGTTCTGCTAAACAGGCAAACAAGGTACGCCATTC  
TCTACTTCCCAAACCTGTCATCTCTGGAACCTATAACTTGAAGACACTCCTGAGCTCACTGGGCATCAC  
CCGGGTCTTCAACAATGATGCTGATCTCTGGAATCACAGAGGATGCCCCCTGAAGCTTAGCCAGGCT  
GTGCATAAGGCTGTGCTGACCTTAGATGAGAGGGGAACAGAGGCTGCAGGAGCCACTGTGGTGGAGGCCG  
TCCCCATGTCTCTGCCCTCAAGTGAAGTTCGACCACCCTTTCATTTTCATGATAGTTGAATCAGAAAC  
TCAGAGCCCCCTTTGTGGAAAAGTGATAGATCCACACGTTAA

**ACGGT**ACGGCGCCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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<b>Chromatograms:</b>	<a href="https://cdn.origene.com/chromatograms/ja1311_e01.zip">https://cdn.origene.com/chromatograms/ja1311_e01.zip</a>
<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_022519
<b>Insert Size:</b>	1236 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>	<a href="#">NM_022519.2</a> , <a href="#">NP_071964.2</a>
<b>RefSeq Size:</b>	1603 bp
<b>RefSeq ORF:</b>	1236 bp
<b>Locus ID:</b>	24648
<b>UniProt ID:</b>	<a href="#">P17475</a>
<b>Cytogenetics:</b>	6q32
<b>Gene Summary:</b>	Inhibitor of serine proteases. The primary target is elastase, but also has a moderate affinity for plasmin and thrombin.[UniProtKB/Swiss-Prot Function]