

Product datasheet for **SC117552**

SERPINB9 (NM_004155) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SERPINB9 (NM_004155) Human Untagged Clone
Tag:	Tag Free
Symbol:	SERPINB9
Synonyms:	CAP-3; CAP3; PI-9; PI9
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC117552 sequence for NM_004155 edited (data generated by NextGen Sequencing)

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ATGGAAACTCTTTCTAATGCAAGTGGTACTTTTGCATACGCCTTTTAAAGATACTGTG
CAAGATAACCCCTTCGCACAACGTGTTCTGTCTCCTGTGAGCATCTCCTCTGCCCTGGCC
ATGGTTCTCCTAGGGCAAAGGGAAACACCGCAACCCAGATGGCCAGGCACTGTCTTTA
AACACAGAGGAAGACATTCATCGGGCTTTCCAGTCGCTTCTCACTGAAGTGAACAAGGCT
GGCACACAGTACCTGCTGAGAACGGCCAACAGGCTCTTTGGAGAGAAAACCTTGTCAGTTC
CTCTCAACGTTTAAAGGAATCCTGTCTTCAATTCTACCATGCTGAGCTGAAGGAGCTTTCC
TTTATCAGAGCTGCAGAAGAGTCCAGGAAACACATCAACACCTGGGTCTCAAAAAAGACC
GAAGGTAAAATTGAAGAGTTGTTGCCGGTAGCTCAATTGATGCAGAAACCAGGCTGGTT
CTTGTC AATGCCATCTACTTCAAAGGAAAGTGAATGAACCGTTTGACGAAACATACACA
AGGGAAAATGCCCTTTAAAATAAACAGGAGGAGCAAAGGCCAGTGCAGATGATGTATCAG
GAGGCCACGTTTAAAGCTCGCCACGTGGGCGAGGTGCGCGCAGCTGCTGGAGCTGCC
TACGCCAGGAAGGAGCTGAGCCTGCTGGTGTGCTGCCTGACGACGGCGTGGAGCTCAGC
ACGGTGGAAAAAGTCTCACTTTTGAGAAACTCACAGCCTGGACCAAGCCAGACTGTATG
AAGAGTACTGAGGTTGAAGTTCTCCTTCCAAAATTTAAACTACAAGAGGATTATGACATG
GAATCTGTGCTTCGGCATTGGGAATTGTTGATGCCTTCCAACAGGGCAAGGCTGACTTG
TCGGCAATGTCAGCGGAGAGACCTGTGTCTGTCCAAGTTCGTGCACAAGAGTTTTGTG
GAGGTGAATGAAGAAGGCACCGAGGCAGCGCAGCTGCTTTGTAGTTGCAGAG
TGCTGCATGGAATCTGGCCCCAGGTTCTGTGCTGACCACCTTTCTTTTCTTCATCAGG
CACAACAGAGCCAACAGCATTCTGTTCTGTGGCAGGTTTCATCGCCATAA
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Clone variation with respect to NM_004155.4



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_004155 unedited</p> <pre>AATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGGCGAGCGCAGCAGCAGGGC CGGGTCTGCGCCTCGGGGGTCGGCGTCCAGGCTCGGAGCGCGGCACGGAGACGGCGGCA GCGCTGGACTAGTGGCAGGCCCTGCATCATGGAACTCTTTCTAATGCAAGTGGTACTT TTGCCATACGCCCTTTAAAGATACTGTGTCAAGATAACCTTCGCACAACGTGTTCTGTT CTCCTGTGAGCATCTCCTCTGCCCTGGCCATGGTTCCTTAGGGGCAAAGGAAACACCG CAACCCAGATGGCCAGGCACTGCTTTAAACACAGAGGAAGACATTCATCGGGCTTTCC AGTCGCTTCTCACTGAAGTGAACAAGGCTGGCACACAGTACCTGCTGAGAACGGCCAACA GGCTCTTTGGAGAGAAAACCTGTCAAGTTCCTCTCAACGTTTAAAGGAATCCTGTCTCAAT TCTACCATGCTGAGCTGAAGGAGCTTTCCTTTATCAGAGCTGCAGAAGAGTCCAGGAAAC ACATCAACACCTGGGTCTCAAAAAGACCGAAGGTAATAATTGAAGAGTTGTTGCCGGTA GCTCAATTGATGCAGAAACCAGGCTGGTCTTGTCAATGCCATCTACTTCAAAGGAAAGT GGAATGAACCGTTTGACGAAACATACACAAGGAAATGCCCTTTAAAATAAACAGGAGG AGCAAAGGCCAGTGCAGATGATGTATCANGAGGCCACGTTAAGCTCGCCACGTGGGCG AGGTGCGCGGCANCTGCTGGAGCTGCCCTACGCCAGGAAGGAGCTGAGCCTGCTGGTGC TGCTGCCTGACGACGGCTGGAGCTCACACGGGGAAAAAAGCCTCACTTCTGAGAACT ACAGCCTGGACAAGCCGACTGTATGAGATACTGAGGTGAAGTTTCTTCAACTTAACTCA GAGATATGACTGCATCG</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_004155 unedited</p> <pre>TGACCGCGGCCGAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTGTGCTATAAACACAT AATACAATTTTATTTGGCCATAAAAATGAAGTGTGATACATGCTACTATGTAATAAAT CTCAAAAACCTTGTACTAAGTGAAGAAGCCAGACACAAAAGGTCTCATACAATTCGATTT ATATAAATAGCAAGAATAGATAAATCCATAGAGACAGAAAGCAGATTGGTGGTTGCTGG GGGCTGGAGGAAGGAAGGAATGGAGAGTATCTGCTTAATGGGATGGGGTTTCTTTTAGA GGAGAACATTTTTTTGGAACTTTAAATAAAGGTGGTGGTTATGCAACATTGTTAACAAT ACTAAGTGGCACTGAACTTCTCACTTTAAAATAGTTAATTTTATGTTATGTGAAGTTTAC CTCAATAAAAAAATCTTAAAAAATAAAGTCAAGTATCAACCAATTAATAAATAAATAA GTTACATAGCTCGTATATAATCAACTTACTTATTACTGCACTATGAGGGGCACCCAGATA TGTAAGACAGAGTCCCAACCTTTGGTGGTGGAGGACTATCTAAGGATACAGAGATTAAT AAAAATAAAGAAGTACCACGAAAGAAGTGCCTCCAAGTACAAAGAGAGTTCAAATATG TACATCTGGTTGCGGAGAAAGGAAAAAATCTCAAGAAGAATTGAAGTGAAGTTTAAAGG GTTGAATGGAATTTTTACTGTTAGAGGTAGAGAAATACATATCATAAAGAAGATGTGAT CCCTACCAGAGGATTACGTGGGTAGTTGAAAGACATTAACAGTCCACCTGGTCATTGTCA AACTATATACGTGGCACAGAAGTGAAGGAGTGTCAAGGAGATGCTCTGCCCTTGTGTC CCAGTGCTAAACAGA</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_004155
Insert Size:	3000 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:

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_004155.3](#), [NP_004146.1](#)

RefSeq Size: 4121 bp

RefSeq ORF: 1131 bp

Locus ID: 5272

UniProt ID: [P50453](#)

Cytogenetics: 6p25.2

Domains: SERPIN

Protein Families: Druggable Genome

Gene Summary: This gene encodes a member of the serine protease inhibitor family which are also known as serpins. The encoded protein belongs to a subfamily of intracellular serpins. This protein inhibits the activity of the effector molecule granzyme B. Overexpression of this protein may prevent cytotoxic T-lymphocytes from eliminating certain tumor cells. A pseudogene of this gene is found on chromosome 6. [provided by RefSeq, Mar 2012]