

Product datasheet for SC108723

SERPINA10 (NM_016186) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SERPINA10 (NM_016186) Human Untagged Clone
Tag:	Tag Free
Symbol:	SERPINA10
Synonyms:	PZI; ZPI
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC108723 sequence for NM_016186 edited (data generated by NextGen Sequencing)

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ATGAAGGTGGTCCCAAGTCTCCTGCTCTCCGTCCTCTGGCACAGGTGTGGCTGGTACCC
GGCTTGGCCCCAGTCCCTCAGTCGCCAGAGACCCAGCCCTCAGAACCAGACCAGCAGG
GTAGTGCAGGCTCCCAAGGAGGAAGAGGAAGATGAGCAGGAGGCCAGCGAGGAGAAGGCC
AGTGAGGAAGAGAAAAGCCTGGCTGATGGCCAGCAGGCAGCAGCTTGCCAAGGAGACTTCA
AACTTCGGATTACGCCTGCTGCGAAAGATCTCCATGAGGCACGATGGCAACATGGTCTTC
TCTCCATTTGGCATGTCCTTGGCCATGACAGGCTTGATGCTGGGGGCCACAGGGCCGACT
GAAACCCAGATCAAGAGAGGGCTCCACTTGCAGGCCCTGAAGCCCACCAAGCCCGGGCTC
CTGCCTTCCCTCTTTAAGGGACTCAGAGAGACCCTCTCCCGCAACCTGGAACCTGGGCCTC
ACACAGGGGAGTTTTGCCTTCATCCACAAGGATTTTGATGTCAAAGAGACTTTCTTCAAT
TTATCCAAGAGGTATTTTGATACAGAGTGCGTGCCTATGAATTTTCGCAATGCCTCACAG
GCCAAAAGGCTCATGAATCATTACATTAACAAAGAGACTCGGGGAAAATTTCCAAAAGT
TTTGATGAGATTAATCCTGAAACCAATTAATTCTTGTTGATTACATCTTGTTCAAAGGG
AAATGGTTGACCCATTTGACCTGTCTTACCAGGAGTGCACACTTTCCACCTGGACAAG
TACAAGACCATTAAGGTGCCATGATGTACGGTGCAGGCAAGTTTGCCTCCACCTTTGAC
AAGAATTTTCGTTGTCATGTCCTCAAAGTGCCTACCAAGGAAATGCCACCATGCTGGTG
GTCCTCATGGAGAAAATGGGTGACCACCTCGCCCTTGAAGACTACCTGACCACAGACTTG
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AAGCTAGATCAGAAGTATGAGATGCATGAGCTGCTTAGGCAGATGGGAATCAGAAGAATC
TTCTCACCTTTGCTGACCTTAGTGAACCTCAGCTACTGGAAGAAATCTCCAAGTATCC
AGGGTTTTACAAAGAACAGTGATTGAAGTTGATGAAAGGGGCACTGAGGCAGTGGCAGGA
ATCTTGTGAGAAATTAAGTCTTATCCATGCCTCCTGTGCATCAAAGTGGACCGGCCATTT
CATTTTCATGATCTATGAAGAAACCTCTGGAAATGCTTCTGTTTCTGGGCAGGGTGGTGAAT
CCGACTCTCTATAA

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Clone variation with respect to NM_016186.2



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_016186 unedited</p> <pre>GGGCAGTCATCATTTGTATACGACTCATCATAGGGCGGCCGGAATTCGCACCAGCACAC ACTGGAAGTCTTGCAGCTGAAGGGAGGCACTCCTTGGCCTCCGCAGCCGATCACATGAAG GTGGTGCCAAGTCTCTGCTCTCCGTCTCCTGGCACAGGTGTGGCTGGTACCCGGCTTG GCCCCAGTCTCAGTCGCCAGAGACCCAGCCCTCAGAACCAGACCAGCAGGGTAGTG CAGGCTCCCAAGGAGGAAGAGGAAGATGAGCAGGAGGCCAGCGAGGAGAAGGCCAGTGAG GAAGAGAAAGCCTGGCTGATGGCCAGCAGCAGCAGCTTGCCAAGGAGACTTCAAATTC GGATTCAGCCTGCTGCGAAAGATCTCCATGAGGCACGATGGCAACATGGTCTTCTCTCCA TTTGGCATGTCCTTGGCCATGACAGGCTTGATGCTGGGGCCACAGGGCCGACTGAAACC CAGATCAAGAGAGGGCTCCACTTGCAGGCCCTGAAGCCCACCAAGCCGGGCTCCTGCCT TCCCTCTTAAGGGACTCAGAGAGACCCTCTCCCGCAACCTGGAAGTGGGCTCACACAG GGGAGTTTTGCCTTCATCCACAAGGATTTTGTGTCAAAGAGACTTTCTCAATTTATCC AAGAGGTATTTGATACAGAGTGCCTGCCTATGAATTTTCGCAATGCCTCACAGGCCAAA AGGCTCATGAATCATTACATTAACANAGAGACTCGNGGAAAATCCCAAAGTGGTGGT GAGATTAATCCTNGAACCAAATTAATNCTTGTGGATTACATCTTGTNTCAAGGGGAAATG GNTTGACCCATTTGACCCTGTCTTACCGAAGTGAACCTTCCACTGNACAGTACAGAAC ATTNAGC</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_016186 unedited</p> <pre>ATATNACCCTTTTTGTTTTAAAAAATGTTTTAATTTAATGCTTTTGTAGTGGTCCGCC TTATCCATGGTTTTGCTTCTGCAGTCTCAGTTAACCATGGTCAACCATGGGCCAAAAAC ATTAATGAAAAATTCAGAAATAAACAATCTAAAAGTCTTAAGCAGCATGCCATTCTGT TCTGCGTGATGGAATCTTGCATTGTCCAGCTCTGGCCACCCAGGATGTGAATTTCCCC TTGCCAATGTCTCCACACTGTCTATGCTCCTCGCCATGAGTCACTTATTAGCCTTGCC TATAATCAGTTTGACTGCGATGGCACCGAGTGCTTGTGTTCAAGTGACTCATTTTACTT AATGTCGGTATTATTGGGAATCTTACTGGGCCTAATTTATAAACTAAACCTTATTTTA CGTCTCGTTGGTGGCAAAAAATTTATAAGGTCATGCCTGTCCACCGTTCATGCATCTG CTGGGGTCTTGGCATGTGTCCCCTGGGATTATGGGGAGCACCTGGTGTGCCCGGGAAC ACCCGTCGTTTTTGGAGACCAACGAACACCCTCCCCGCCTGCCTTGGCGGTGACGCCGA GCGGGTCCGCAACCTGAGTTTTCCCTTCCCCCTGCCCAAATGCCCATCCGTGCCCC GCCCGTTGGGACAGTGTGGCGTTACATATTCGCCAGAACCAGATCACTCGGTTACGCC TCTTGCCCCGTCCGAACAGAGATCGCCCGCTCCCCTTTGGTAACCCGAAGGCGCGAG TAGCCCCGGATTGCTGAGGGAGTAGCGGAGACCCAGCCCAAGAGAGACGCCCGAGTAG GCCGGTAAGAGTGGGGAGGGCGG</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_016186
Insert Size:	2050 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_016186.1](#), [NP_057270.1](#)

RefSeq Size: 2466 bp

RefSeq ORF: 1335 bp

Locus ID: 51156

UniProt ID: [Q9UK55](#)

Cytogenetics: 14q32.13

Domains: SERPIN

Protein Families: Druggable Genome, Secreted Protein

Gene Summary: The protein encoded by this gene belongs to the serpin family. It is predominantly expressed in the liver and secreted in plasma. It inhibits the activity of coagulation factors Xa and XIa in the presence of protein Z, calcium and phospholipid. Mutations in this gene are associated with venous thrombosis. Alternatively spliced transcript variants have been found for this gene.[provided by RefSeq, May 2010]

Transcript Variant: This variant (1) represents the longer transcript. Variants 1 and 2 encode the same protein.