

Product datasheet for **SC321101**

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:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_016186.1
 GCTGAAGGTTCTGGGCTGCAAAGCTGAAGCTTTGGTTTCTGCTCTAAATGAAGGACTTTT
 CCAGGACCCAAGGCCACACACTGGAAGTCTTGACAGCTGAAGGGAGGCACTCCTTGGCCTC
 CGCAGCCGATCACATGAAGGTGGTGCCAAGTCTCCTGCTCTCCGTCTCCTGGCACAGGT
 GTGGCTGGTACCCGGCTTGGCCCCAGTCTCAGTCGCCAGAGACCCAGCCCCTCAGAA
 CCAGACCAGCAGGGTAGTGCAGGCTCCCAAGGAGGAAGAGGAAGATGAGCAGGAGGCCAG
 CGAGGAGAAGGCCAGTGAGGAAGAGAAAGCCTGGCTGATGGCCAGCAGGCAGCAGCTTGC
 CAAGGAGACTTCAAACCTTCGATTTCAGCCTGCTGCGAAAAGATCTCCATGAGGCACGATGG
 CAACATGGTCTTCTCCTCATTTGGCATGTCTTGGCCATGACAGGCTTGATGCTGGGGGC
 CACAGGGCCGACTGAAACCCAGATCAAGAGAGGGCTCCACTTGCAGGCCCTGAAGCCAC
 CAAGCCCAGGCTCCTGCCTTCCCTCTTTAAGGGACTCAGAGAGACCCTCTCCCGAACCT
 GGAAGTGGGCTCACACAGGGGAGTTTTGCCTTCATCCACAAGGATTTTGTATGTCAAAGA
 GACTTTCTCAATTTATCCAAGAGGTATTTTGATACAGAGTGCCTGCTATGAATTTTCG
 CAATGCCTCACAGGCCAAAAGGCTCATGAATCATTACATTAACAAAGAGACTCGGGGAA
 AATTCCAAAAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG
 CTTGTTCAAAGGAAATGGTTGACCCCATTTGACCCTGTCTTACCGAAGTCGACACTTT
 CCACCTGGACAAGTACAAGACCATTAAGGTGCCATGATGTACGGTGCAGGCAAGTTTGC
 CTCCACCTTTGACAAGAAATTTTCGTTGTCATGTCTCAAACCTGCCCTACCAAGGAAATGC
 CACCATGTGGTGGTCTCATGGAGAAAATGGGTGACCACCTCGCCCTTGAAGACTACCT
 GACCACAGACTTGGTGGAGACATGGCTCAGAAACATGAAAACCAGAAACATGGAAGTTTT
 CTTTCCGAAGTTCAAGCTAGATCAGAAGTATGAGATGCATGAGCTGCTTAGGCAGATGGG
 AATCAGAAGAATCTTCTACCCCTTGGTGCCTTAGTGAACCTCAGCTACTGGAAGAAA
 TCTCCAAGTATCCAGGGTTTTACAAAGAACAGTGATTGAAGTTGATGAAAGGGGCATGA
 GGCAGTGGCAGGAATCTTGTGAGAAATTACTGCTTATTCCATGCCTCCTGTCATCAAAGT
 GGACCGGCCATTTCAATTCATGATCTATGAAGAACCTCTGGAATGCTTCTGTTTCTGGG
 CAGGGTGGTGAATCCGACTCTCCTATAATTACAGACACGCATAAGCACTTCGTGCTGTAG
 TAGATGCTGAATCTGAGGTATCAAACACACACAGGATACCAGCAATGGATGGCAGGGGAG
 AGTGTTCCTTTTCTTAAGTGTAGGGTGTCTCAAATAAATACAGTAGTCCCCAC
 TTATCTGAGGGGATACATTCAAAGACCCCGAGCAGATGCCTGAAACGGTGGACAGTGT
 GAACCTTATATATATTTTTTCTACACATACATACCTATGATAAAGTTTAAATTTATAAT
 TAGGCACAGTAAGAGATTAACAATAATAACAACATTAAGTAAAAAGGTTACTTGATGC
 AAGCACTGCAATACCATAACAGTCAAACCTGATTATAGAGAAGGCTACTAAGTGACTCATG
 GGCGAGGAGCATAGACAGTGTGGAGACATTTGGCAAGGGGAGAATTCACATCCTGGGTGG
 GACAGAGCAGGACAATGCAAGATTCCATCCCACTACTCAGAATGGCATGTGCTTAAAGAC
 TTTTAGATTGTTTATTTCTGGAATTTTTTCAATTAATGTTTTTGGACCATGGTTGACCATG
 GTTAACTGAGACTGCAGAAAGCAAACCATGGATAAGGGAGGACTACTACAAAAGCATTAA
 AATTGATACATATTTTCCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_016186

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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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:	<ol style="list-style-type: none">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:	<u>NM_016186.1</u> , <u>NP_057270.1</u>
RefSeq Size:	2466 bp
RefSeq ORF:	1335 bp
Locus ID:	51156
UniProt ID:	<u>Q9UK55</u>
Cytogenetics:	14q32.13
Domains:	SERPIN
Protein Families:	Druggable Genome, Secreted Protein
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) represents the longer transcript. Variants 1 and 2 encode the same protein.</p>