

Product datasheet for **SC302632**

SERPING1 (NM_001032295) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SERPING1 (NM_001032295) Human Untagged Clone
Tag:	Tag Free
Symbol:	SERPING1
Synonyms:	C1IN; C1INH; C1NH; HAE1; HAE2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_001032295 edited
 TCCGCTGACGTCGCCGCCAGATGGCCTCCAGGCTGACCTGCTGACCCTCTGCTGCTG
 CTGCTGGCTGGGGATAGAGCCTCCTCAAATCAAATGCTACCAGCTCCAGCTCCCAGGAT
 CCAGAGAGTTTGAAGACAGAGGCGAAGGGAAGGTCGCAACAACAGTTATCTCCAAGATG
 CTATTCGTTGAACCCATCCTGGAGGTTTCCAGCTTGCCGACAACCAACTCAACAACCAAT
 TCAGCCACCAAAAACAGCTAATACCACTGATGAACCCACCACACAACCCACCACAGAG
 CCCACCACCAACCCACCATCCAACCCACCAACCAACTACCCAGCTCCCAACAGATTCT
 CCTACCCAGCCCACTACTGGGTCCTTCTGCCAGGACCTGTTACTCTCTGCTCTGACTTG
 GAGAGTCAATCAACAGAGGCCGTGTTGGGGGATGCTTTGGTAGATTTCTCCCTGAAGCTC
 TACCACGCCTTCTCAGCAATGAAGAAGGTGGAGACCAACATGGCCTTTTCCCATTCAGC
 ATGCCAGCCTCCTTACCAGGTCCTGCTCGGGGCTGGGAGAACACCAAAACAAACCTG
 GAGAGCATCCTCTTACCCCAAGGACTTACCTGTGTCCACCAGGCCCTGAAGGGCTTC
 ACGACCAAAGGTGCACCTCAGTCTCTCAGATCTCCACAGCCAGACCTGGCCATAAGG
 GACACCTTTGTGAATGCCTCTCGGACCCTGTACAGCAGCAGCCCCAGAGTCTAAGCAAC
 AACAGTGACGCCAACTTGGAGCTCATCAACACCTGGGTGGCCAAGAACACCAACAACAAG
 ATCAGCCGGCTGTAGACAGTCTGCCCTCCGATACCCGCCTTGTCTCCTCAATGCTATC
 TACCTGAGTGCCAAGTGAAGACAACATTTGATCCCAAGAAAACAGAAATGGAACCCCTT
 CACTTCAAAAACCTCAGTTATAAAAGTGCCCATGATGAATAGCAAGAAGTACCCTGTGGCC
 CATTTCATTGACCAAACTTTGAAAGCCAAGGTGGGGCAGCTGCAGCTCTCCCAATCTG
 AGTTTGGTGATCCTGGTACCCAGAACCTGAAACATCGTCTTGAAGACATGGAACAGGCT
 CTCAGCCCTTCTGTTTTCAAGGCCATCATGGAGAACTGGAGATGTCCAAGTTCAGCCC
 ACTCTCTAACACTACCCCGCATCAAAGTGACGACCAGCCAGGATATGCTCTCAATCATG
 GAGAAATTGGAATCTTCGATTTTCTTATGACCTAACCTGTGTGGGCTGACAGAGGAC
 CCAGATCTTCAGGTTTCTGCGATGCAGCACCAGACAGTGTGGAAGTACAGAGACTGGG
 GTGGAGGCGGCTGCAGCCTCCGCCATCTCTGTGGCCCGCACCTGCTGGTCTTTGAAGTG
 CAGCAGCCCTTCTCTTCTGCTCTGGGACCAGCAGCACAAGTCCCTGTCTTCATGGGG
 CGAGTATATGACCCAGGGCCTGAGACCTGCAGGATCAGGTTAGGGCGAGCGCTACCTCT
 CCAGCCTCAGCTCTCAGTTCAGCCCTGCTGCTGCCTGCCTGGACTTGGCCCTGCCACC
 TCCTGCCTCAGGTGTCCGCTATCCACAAAAGGGCTCCCTGAGGGTCTGGCAAGGGACC
 TGCTTCTATTAGCCCTTCTCCATGGCCCTGCCATGCTCTCAAACCACTTTTTGCAGCTT
 TCTCTAGTTCAAGTTCACCAGACTCTATAAATAAAACCTGACAGACCATGAAAAAAAAA
 AAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_001032295

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: The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.

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:	NM_001032295.1 , NP_001027466.1
RefSeq Size:	1832 bp
RefSeq ORF:	1503 bp
Locus ID:	710
UniProt ID:	P05155
Cytogenetics:	11q12.1
Protein Families:	Druggable Genome, Secreted Protein
Protein Pathways:	Complement and coagulation cascades
Gene Summary:	<p>This gene encodes a highly glycosylated plasma protein involved in the regulation of the complement cascade. Its encoded protein, C1 inhibitor, inhibits activated C1r and C1s of the first complement component and thus regulates complement activation. It is synthesized in the liver, and its deficiency is associated with hereditary angioneurotic oedema (HANE). Alternative splicing results in multiple transcript variants encoding the same isoform. [provided by RefSeq, May 2020]</p> <p>Transcript Variant: This variant (2) lacks an exon and uses an alternate splice site in the 5' UTR, compared to variant 1.</p>