

Product datasheet for **SC109680**

SERPINB1 (NM_030666) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SERPINB1 (NM_030666) Human Untagged Clone
Tag:	Tag Free
Symbol:	SERPINB1
Synonyms:	EI; ELANH2; HEL-S-27; HEL57; LEI; M/NEI; MNEI; PI-2; PI2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

5' Read Nucleotide Sequence:	>OriGene 5' read for NM_030666 unedited AATACGACTCACTATAGGGCGGCCGCGAATTCGGCACGAGGGGGAGCTCGGACTCCTACG CAGTCACCGGGAAGGGCCGCCGCCCGCCGCGCTGCTGGCCCGGTGACACTTCCGCC TGCTATAAGAGCAGCGGCCCTCGGTGCCTCCTTCTGACCTCGCACCCAGCTCGGAGCCC GGAGCGTGCCTCGGCGCCCTGTCGGTTTTACCATGGAGCAGCTGAGCTCAGCAAACACC CGCTTCGCCTTGGACCTGTTCTGGCGTTGAGTGAGAACAATCCGGCTGGAACATCTTC ATCTCTCCCTTCAGCATTTTCATCTGCTATGGCCATGGTTTTTCTGGGGACCAGAGGTAAC ACGGCAGCACAGCTGTCCAAGACTTTCATTTCAACACGGTTGAAGAGGTTCAATCAAGA TTCCAGAGTCTGAATGCTGATATCAACAACGTGGAGCGTCTTATATTCTGAAACTTGCT AATAGATTATATGGAGAGAAAATTACAATTTCTTCTGAGTTCTTGGTTTCGACTCAG AAAACATATGGTGTGACCTGGCCAGTGTGGATTTTCAGCATGCCTCTGAAGATGCAAGG AAGACCATAAACAGTGGGTCAAAGGACAGACAGAAGGAAAAATCCGGAAGTGTGGCT TCGGGCATGGTTGATAACATGACCAAATTTGTGCTAGTAAATGCCATCTATTTCAAGGGA AACTGGGAGGATANATTCATGAAAGAAGCCACGACGAATGCACCATTAGATTTGATAAG AAAGACAGANNACTGTGAAAATGATGTATCAGAAGAAAAATTCATATGGCTACATCG AGGACCTTAGTGCCGTGTGCTGGGACTGCCTTACCAGGGCGAGAGCTCAGCATGGTCATC CTGCTGCCGAGACANTTGAGACGATCACGGCCTGAAGAAAATGAGAAC
Restriction Sites:	NotI-NotI
ACCN:	NM_030666
Insert Size:	2790 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:	<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_030666.2 , NP_109591.1
RefSeq Size:	1310 bp
RefSeq ORF:	1140 bp
Locus ID:	1992
UniProt ID:	P30740
Cytogenetics:	6p25.2
Domains:	SERPIN

Protein Families: Druggable Genome

Gene Summary: The protein encoded by this gene is a member of the serpin family of proteinase inhibitors. Members of this family maintain homeostasis by neutralizing overexpressed proteinase activity through their function as suicide substrates. This protein inhibits the neutrophil-derived proteinases neutrophil elastase, cathepsin G, and proteinase-3 and thus protects tissues from damage at inflammatory sites. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2012]
Transcript Variant: This variant (1) encodes the functional protein.