

Product datasheet for **SC321547**

SERPINB6 (NM_004568) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SERPINB6 (NM_004568) Human Untagged Clone
Tag:	Tag Free
Symbol:	SERPINB6
Synonyms:	CAP; DFNB91; MSTP057; PI-6; PI6; PTI; SPI3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_004568.4
GATTCTCCGGGATATTACCGGAGACGGAGTGTTTTATTATTAGCCTTTCTTAGGTGGACA
TTTCCATTTGAATTACAAGTCCTTTAGGCTGGGCGTGGTGCATGGCTGTAATCTCAGCAC
CTTGGGAGGCTGAGGCAGGAAGTCACTTGAGGCCAGGCGTTGGAGAGCAGCCTGGGCAA
GGTGGCAAGAACCTTGTCTCTACAAAAAAAAAAGCGTCTGCCATCATGGATGTTCTCGCA
GAAGCAAATGGCACCTTTGCCTTAAACCTTTTAAAAACGCTGGGTAAAGACAACCTCGAAG
AATGTGTTTTTCTCACCCATGAGCATGTCCTGTGCCCTGGCCATGGTCTACATGGGGCA
AAGGGAACACCGCTGCACAGATGGCCAGATACTTTCTTTCAATAAAAGTGGCGGTGGT
GGAGACATCCACCAGGCTTCCAGTCTTCTCACCAGTGAACAAGACTGGCACGCAG
TACTTGCTTAGGGTGGCCAACAGGCTCTTGGGAAAAGTCTTGTGATTTCTCTCATCT
TTTAGAGATTCTGCCAAAATTCTACCAAGCAGAGATGGAGGAGCTTGACTTTATCAGC
GCCGTAGAGAAGTCCAGAAAACACATAAACACCTGGGTAGCTGAAAAGACAGAAGTAAA
ATTGCGGAGTTGCTCTCTCCGGGCTCAGTGGATCCATTGACAAGGCTGGTTCTGGTGAAT
GCTGTCTATTTACAGGAAAACCTGGGATGAACAGTTTGACAAGGAGAACCCGAGGAGAGA
CTGTTTAAAGTACGAAGAATGAGGAGAAAACCTGTGCAATGATGTTTAAAGCAATCTACT
TTTAAGAAAGCTATATAGGAGAAATTTACCCAAATCTTGGTGCTTCCATATGTTGGC
AAGGAACCTGAATATGATCATCATGCTTCCGGACGAGACCACTGACTTGAGAACGGTGGAG
AAAGAACCTCACTACGAGAAGTTCGTAAGTGGACGAGGCTGGACATGATGGATGAAGAG
GAGGTGGAAGTGTCCCTCCCGCGTTTAAACTAGAGGAAAGTACGACATGGAGAGTGTC
CTGCGCAACCTGGGCATGACTGATGCCTTCGAGCTGGGCAAGGCAGACTTCTCTGGAATG
TCCCAGACAGACCTGTCTGTCTCAAGGTCGTGCACAAGTCTTTTGTGGAGGTCAATGAG
GAAGGCACGGAGGCTGCAGCCGCCACAGCTGCCATCATGATGATGCGGTGTGCCAGATTC
GTCCCCGCTTCTGCGCCGACCACCCCTTCTTTTCTTCCATCCAGCACAGCAAGACCAAC
GGGATTCTTCTGCGCCGCTTTTCTCTCCGTGAGGACAGGGCAGTCTTGGTGTGCAG
CCCCTCTCTCTGTCCCCTGACACTCCACAGTGTGCCTGCAACCCAAGTGGCCTTATC
CGTGCAGTGGTGGCAGTTCAGAAATAAAGGGCCATTTGTGGGATGCCGATTCAAAAAA
AAAAAAAAAAAAA



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Restriction Sites:	Please inquire
ACCN:	NM_004568
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:	NM_004568.4 , NP_004559.4
RefSeq Size:	1665 bp
RefSeq ORF:	1131 bp
Locus ID:	5269
UniProt ID:	P35237
Cytogenetics:	6p25.2
Domains:	SERPIN
Protein Families:	Druggable Genome
Gene Summary:	<p>The protein encoded by this gene is a member of the serpin (serine proteinase inhibitor) superfamily, and ovalbumin(ov)-serpin subfamily. It was originally discovered as a placental thrombin inhibitor. The mouse homolog was found to be expressed in the hair cells of the inner ear. Mutations in this gene are associated with nonsyndromic progressive hearing loss, suggesting that this serpin plays an important role in the inner ear in the protection against leakage of lysosomal content during stress, and that loss of this protection results in cell death and sensorineural hearing loss. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Sep 2010]</p> <p>Transcript Variant: This variant (1) represents the predominant transcript. Variants 1, 5, 6, 7 and 8 encode the same isoform (a).</p>