

Product datasheet for **SC331181**

SERPINB6 (NM_001195291) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: SERPINB6 (NM_001195291) Human Untagged Clone
Tag: Tag Free
Symbol: SERPINB6
Synonyms: CAP; DFNB91; MSTP057; PI-6; PI6; PTI; SPI3
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC331181 representing NM_001195291.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGTCTGCCATCATGGATGTTCTCGCAGAAGCAAATGGCACCTTTGCCTTAAACCTTTTGAAAACGCTG
GGTAAAGACAACCTCGAAGAATGTGTTTTCTCACCCATGAGCATGTCCTGTGCCCTGGCCATGGTCTAC
ATGGGGGCAAAGGGAAACACCGCTGCACAGATGGCCAGATACTTTCTTCAATAAAAAGTGGCGGTGGT
GGAGACATCCACCAGGGCTTCCAGTCTCTTCTCACCGAAGTGAACAAGACTGGCACGCAGTACTTGCTT
AGGATGGCCAACAGGCTCTTTGGGAAAAGTCTTGTGATTTCTCTCATCTTTTAGAGATTCCTGCCAA
AAATTCTACCAAGCAGAGATGGAGGAGCTTGACTTTATCAGCGCGTAGAGAAGTCCAGAAAACACATA
AACACCTGGGTAGCTGAAAAGACAGAAGGTAATAATTGCGGAGTTGCTCTCTCCGGCTCAGTGGATCCA
TTGACAAGGCTGGTTCTGGTGAATGCTGTCTATTTTCAGAGGAAAACGGGATGAACAGTTTGACAAGGAG
AACACCGAGGAGAGACTGTTAAAGTCAGCAAGAATGAGGAGAAAACCTGTGCAAATGATGTTAAGCAA
TCTACTTTAAGAAGACCTATATAGGAGAAATATTTACCCAAATCTTGGTGCTTCCATATGTTGGCAAG
GAAGTGAATATGATCATCATGCTTCCGGACGAGACCACTGACTTGAGAACGGTGGAGAAAGAACTCACT
TACGAGAAGTTCGTAGAATGGACGAGGCTGGACATGATGGATGAAGAGGAGGTGGAAGTGTCCCTCCCG
CGGTTTAACTAGAGGAAAGCTACGACATGGAGAGTGTCTGCGCAACCTGGGCATGACTGATGCCTTC
GAGCTGGGCAAGGCAGACTTCTCTGGAATGTCCAGACAGACCTGTCTGTCCAAGTCTGTGCACAAG
TCTTTTGTGGAGTCAATGAGGAAGGCACGGAGGCTGCAGCCGCCACAGCTGCCATCATGATGATGCGG
TGTGCCAGATTCTCCCGCTTCTGCGCCGACCACTTCTTTTCTTTCATCCAGCACAGCAAGACC
AACGGGATTCTTCTGCGGCCGCTTTTCTCTCCGTGA
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Restriction Sites: SgfI-MluI
ACCN: NM_001195291
Insert Size: 1143 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).



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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_001195291.2</u>
RefSeq Size:	2065 bp
RefSeq ORF:	1143 bp
Locus ID:	5269
UniProt ID:	<u>P35237</u>
Cytogenetics:	6p25.2
Protein Families:	Druggable Genome
MW:	43 kDa
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 (2) contains an additional exon in the 5' region, which includes an upstream in-frame AUG start codon, compared to variant 1. The resulting isoform (b) has a longer N-terminus, compared to isoform a.</p>