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Product datasheet for SC333122

SERPINB6 (NM_001271823) Human Untagged Clone

Product data:

Product Type: Expression Plasmids

Product Name: SERPINB6 (NM_001271823) Human Untagged Clone

Tag: Tag Free

Symbol: SERPINB6

Synonyms: CAP; DFNB91; MSTP057; PI-6; PI6; PTI; SPI3

Vector: pCMV6-Entry (PS100001)

Fully Sequenced ORF:

>SC333122 representing NM_001271823.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGTCTTCAAGGCAAAGAGGAAACTTTAACTACAAATTGGCATTTAAGTCTGCCATCATGGATGTTCTC
GCAGAAGCAAATGGCACCTTTGCCTTAAACCTTTTGAAAACGCTGGGTAAAGACAACTCGAAGAATGTG
TTTTTCTCACCCATGAGCATGTCCTGTGCCCTGGCCATGGTCTACATGGGGGCAAAGGGAAACACCGCT
GCACAGATGGCCCAGATACTTTCTTTCAATAAAAGTGGCGGTGGTGGAGACATCCACCAGGGCTTCCAG
TCTCTTCTCACCGAAGTGAACAAGACTGGCACGCAGTACTTGCTTAGGATGGCCAACAGGCTCTTTGGG
GAAAAGTCTTGTGATTTCCTCTCATCTTTTAGAGATTCCTGCCAAAAATTCTACCAAGCAGAGATGGAG
GAGCTTGACTTTATCAGCGCCGTAGAGAAGTCCAGAAAACACATAAACACCTGGGTAGCTGAAAAGACA
GAAGGTAAAATTGCGGAGTTGCTCTCTCCGGGCTCAGTGGATCCATTGACAAGGCTGGTTCTGGTGAAT
GCTGTCTATTTCAGAGGAAACTGGGATGAACAGTTTGACAAGGAGAACACCGAGGAGAGACTGTTTAAA
GTCAGCAAGAATGAGGAGAAACCTGTGCAAATGATGTTTAAGCAATCTACTTTTAAGAAGACCTATATA
GGAGAAATATTTACCCAAATCTTGGTGCTTCCATATGTTGGCAAGGAACTGAATATGATCATCATGCTT
CCGGACGAGACCACTGACTTGAGAACGGTGGAGAAAGAACTCACTTACGAGAAGTTCGTAGAATGGACG
AGGCTGGACATGATGGATGAAGAGGAGGTGGAAGTGTCCCTCCCGCGGTTTAAACTAGAGGAAAGCTAC
GACATGGAGAGTGTCCTGCGCAACCTGGGCATGACTGATGCCTTCGAGCTGGGCAAGGCAGACTTCTCT
GGAATGTCCCAGACAGACCTGTCTCTGTCCAAGGTCGTGCACAAGTCTTTTGTGGAGGTCAATGAGGAA
GGCACGGAGGCTGCAGCCGCCACAGCTGCCATCATGATGATGCGGTGTGCCAGATTCGTCCCCCGCTTC
TGCGCCGACCACCCCTTCCTTTTCTTCATCCAGCACAGCAAGACCAACGGGATTCTCTTCTGCGGCCGC
TTTTCCTCTCCGTGA

Restriction Sites: SgfI-MluI

ACCN: NM_001271823

Insert Size: 1188 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:	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_001271823.1
RefSeq Size:	1588 bp
RefSeq ORF:	1188 bp
Locus ID:	5269
UniProt ID:	P35237
Cytogenetics:	6p25.2
Protein Families:	Druggable Genome
MW:	44.8 kDa
Gene Summary:	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] Transcript Variant: This variant (4) contains an alternate 5' exon, which includes an upstream in-frame AUG start codon, compared to variant 1. The resulting isoform (d) has a longer N-terminus, compared to isoform a. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.