

Product datasheet for RC237837

SERPINB6 (NM_001297700) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SERPINB6 (NM_001297700) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SERPINB6
Synonyms:	CAP; DFNB91; MSTP057; PI-6; PI6; PTI; SPI3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC237837 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGATGTTCTCGCAGAAGCAAATGGCACCTTTGCCTTAAACCTTTTGAAAACACTGGGTAAGACAAC
CGAAGAATGTGTTTTCTCACCCATGAGCATGTCTGTGCCCTGGCCATGGTCTACATGGGGCAAAGG
AAACACCGCTGCACAGATGGCCAGATACTTTCTTCAATAAAAGTGGCGGTGGTGGAGACATCCACCAG
GGCTTCCAGTCTTCTCACCGAAGTGAACAAGACTGGCACGCAGTACTTGCTTAGGATGGCCAACAGGC
TCTTTGGGAAAAGTCTTGTGATTTCTCTCATCTTTAGAGATTCCTGCCAAAAATTCTACCAAGCAGA
GATGGAGGAGCTTGACTTATCAGCGCCGTAGAGAAGTCCAGAAAACACATAAACACCTGGGTAGCTGAA
AAGACAGAAGGTAATTTGCGGAGTTGCTCTCCTCCGGGCTCAGTGGATCCATTGACAAGGCTGGTCTGG
TGAATGCTGTCTATTTACAGGAAAAGTGGGATGAACAGTTTGACAAGGAGAACACCGAGGAGAGACTGTT
TAAAGTCAGCAAGAATGAGGAGAAAACCTGTGCAATGATGTTTAAAGCAATCTACTTTTAAAGAAGCCTAT
ATAGGAGAAATATTTACCCAAATCTTGGTGCTCCATATGTTGGCAAGGAACTGAATATGATCATCATGC
TTCCGGACGAGACCCTGACTTGAGAACGGTGGAGAAAGAACTCACTTACGAGAAGTTTCGTAGAATGGAC
GAGGCTGGACATGATGGATGAAGAGGAGGTGGAAGTGTCCCTCCCGCGGTTTAACTAGAGGAAAGCTAC
GACATGGAGAGTGTCTCGCAACCTGGGCATGACTGATGCCTTCGAGCTGGGCAAGGCAGACTTCTCTG
GAATGTCCAGACAGACCTGTCTCTGTCCAAGGTCGTGCACAAGTCTTTTGTGGAGGTCAATGAGGAAGG
CACGGAGGCTGCAGCCGCCACAGCTGCCATCATGATGATGCGGTGTGCCAGATTCTCCCGCTTCTG
GCCGACCACCCTTCTTTTCTCATCCAGCACAGCAAGACCAACGGATTCTCTTCTGCGGCCGCTTTT
CCTCTCCG

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

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_001297700.1](#), [NP_001284629.1](#)

RefSeq Size: 1873 bp

RefSeq ORF: 1131 bp

Locus ID: 5269

UniProt ID: [P35237](#)

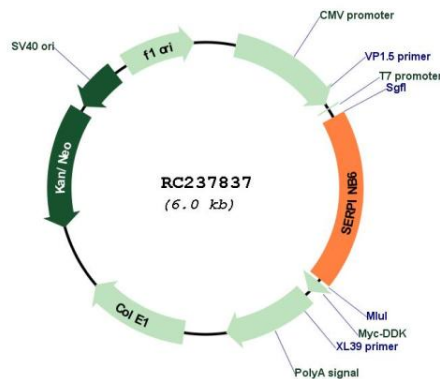
Cytogenetics: 6p25.2

Protein Families: Druggable Genome

MW: 42.6 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]

Product images:



Circular map for RC237837