

Recombinant Human SERPINB6 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. SERPINB6-1071H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	SERPINB6 MS Standard C13 and N15-labeled recombinant protein (NP_004559) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	42.4 kDa
AA Sequence	MDVLAEANGTFALNLLKTLGKDNSKNVFFSPMSMSCALAMVYMGAKGNTAAQMAQ ILSFNKSGGGGDIHQGFQSLLEVNKTGTQYLLRMANRLFGEKSCDFLSSFRDSCQ KFYQAEMEELDFISAVEKSRKHINTWVAEKTEGKIAELSPGSVDPLTRLVLVNAVYF RGNWDEQFDKENTEERLFKVSKNEEKPVQMMFKQSTFKKTYIGEIFTQILVLPYVGK ELNMIIMLPDETTDLRTVEKELTYEKFVEWTRLDMMDDEEEVEVSLPRFKLEESYDME

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SVLRNLGMTDAFELGKADFSGMSQTDLSLSKVHKSFVEVNEEGTEAAAATAAIMM
MRCARFVPRFCADHPFLFFIQHSKTNGILFCGRFSSPTRTRPLEQKLISEEDLAANDI
LDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name SERPINB6 serpin family B member 6 [Homo sapiens (human)]

Official Symbol SERPINB6

Synonyms SERPINB6; serpin peptidase inhibitor, clade B (ovalbumin), member 6; deafness, autosomal recessive 91, DFNB91, PI6, serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 6; serpin B6; CAP; cytoplasmic antiproteinase; PTI; PI-6; protease inhibitor 6 (placental thrombin inhibitor); serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 6; PI6; SPI3; DFNB91; MSTP057; MGC111370; DKFZp686I04222;

Gene ID 5269

mRNA Refseq NM_004568

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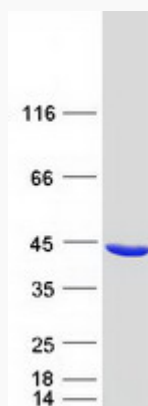
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Protein Refseq NP_004559

MIM 173321

UniProt ID P35237

SDS-PAGE



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