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 ILSFNKSGGGGDIHQGFQSLLTEVNKTGTQYLLRMANRLFGEKSCDFLSSFRDSCQ KFYQAEMEELDFISAVEKSRKHINTWVAEKTEGKIAELLSPGSVDPLTRLVLVNAVYF RGNWDEQFDKENTEERLFKVSKNEEKPVQMMFKQSTFKKTYIGEIFTQILVLPYVGK ELNMIIMLPDETTDLRTVEKELTYEKFVEWTRLDMMDEEEVEVSLPRFKLEESYDME

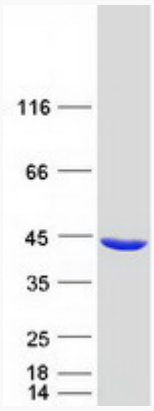
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	SVLRNLGMTDAFELGKADFSGMSQTDLSLSKVVHKSFVEVNEEGTEAAAATAAIMM MRCARFVPRFCADHPFLFFIQHSKTNGILFCGRFSSPTRTRPLEQKLISEEDLAANDI LDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products 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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Protein Refseq	NP_004559
MIM	173321
UniProt ID	P35237
SDS-PAGE	

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