

Recombinant Human SERPINE1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. SERPINE1-2400H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	SERPINE1 MS Standard C13 and N15-labeled recombinant protein (NP_000593) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a member of the serine proteinase inhibitor (serpin) superfamily. This member is the principal inhibitor of tissue plasminogen activator (tPA) and urokinase (uPA), and hence is an inhibitor of fibrinolysis. Defects in this gene are the cause of plasminogen activator inhibitor-1 deficiency (PAI-1 deficiency), and high concentrations of the gene product are associated with thrombophilia. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.
Molecular Mass	45.1 kDa
AA Sequence	MQMSPALTCLVLGLALVFGEGSAVHHPPSYVAHLASDFGVRVFQQVAQASKDRNV VFSPYGVASVLAMLQLTTGGETQQQIQAAAMGFKIDDKGMAPALRHLYKELMGPWN KDEISTTDAIFVQRDLKLVQGFMPPHFFRLFRSTVKQVDFSEVERARFIINDWVKTHTK GMISNLLGKGAVDQLTRLVLVNALYFNGQWKTPFPDSSTHRRFLHKSDGSTVSVPM MAQTNKFNYTEFTTPDGHYYDILELPYHGDTLMSFIAAPYEKEVPLSALTNILSAQLIS HWKGNMTRLPRLLVLPKFSLETEVDLRKPLENLGMTDMFRQFQADFTSLSDQEPLH VAQALQKVKIEVNESGTVASSSTAVIVSARMAPEEIIMDRPFLFVVRHNPTGTVLFMG

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QVMEPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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	SERPINE1 serpin family E member 1 [Homo sapiens (human)]
Official Symbol	SERPINE1
Synonyms	SERPINE1; serpin peptidase inhibitor, clade E (nexin, plasminogen activator inhibitor type 1), member 1; PAI1, PLANH1, serine (or cysteine) proteinase inhibitor, clade E (nexin, plasminogen activator inhibitor type 1), member 1; plasminogen activator inhibitor 1; PAI; plasminogen activator inhibitor; type I; serpin E1; endothelial plasminogen activator inhibitor; serine (or cysteine) proteinase inhibitor, clade E (nexin, plasminogen activator inhibitor type 1), member 1; PAI1; PAI-1; PLANH1;
Gene ID	5054
mRNA Refseq	NM_000602
Protein Refseq	NP_000593

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MIM	173360
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UniProt ID	P05121
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