

Recombinant Human serpin peptidase inhibitor, clade B (ovalbumin), member 2, His-tagged

Cat. No. SERPINB2-624H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	SERPINB2, 1-415aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	1-415 a.a.
Description	SERPINB2 belongs to the serpin family. This protein inhibits urokinase-type plasminogen activator. The monocyte derived PAI-2 is distinct from the endothelial cell-derived PAI-1. Recombinant human SERPINB2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Form	Liquid. In 1X Phosphate Buffered Saline (pH7.4) containing 30% glycerol, 1mM DTT
Molecular Mass	49.0. kDa (438aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMEDLCVA NTLFALNLFK HLAkasPTQN LFLSPWSISS TMAMVYMGSr GSTEDQMAKV LQFNEVGANA VTPMTPENFT SCGFMQQIQK GSYPDAILQA QAADKIHSSF RSLSSAINAS TGNYLLESVN KLFGEKSASF REEYIRLCQK YYSSEPQAVD FLECAEEARK KINSWVKQT KGKIPNLLPE GSVDGDTRMV LVNAVYFKGK WKTPFEKKNL GLYPFRVNSA QRTPVQMMYL REKLNIGYIE DLKAQILELP YAGDVSMFLL LPDEIADVST

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GLELLESEIT YDKLNKWT SK DKMAEDEVEV YIPQFKLEEH YELRSILRSM
 GMEDAFNKGR ANFSGMSERN DLFLSEVFHQ AMVDVNEEGT EAAAGTGGVM
 TGRTGHGGPQ FVADHPFLFL IMHKITNCIL FFGRFSSP

Purity >80% by SDS - PAGE

Storage Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.

Concentration 0.5 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name SERPINB2 serpin peptidase inhibitor, clade B (ovalbumin), member 2 [Homo sapiens]

Official Symbol SERPINB2

Synonyms SERPINB2; serpin peptidase inhibitor, clade B (ovalbumin), member 2; PAI2, PLANH2, serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 2; plasminogen activator inhibitor 2; HsT1201; serpin B2; monocyte Arg-serpin; urokinase inhibitor; placental plasminogen activator inhibitor; plasminogen activator inhibitor, type II (arginine-serpin); serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 2; PAI; PAI2; PAI-2; PLANH2;

Gene ID 5055

mRNA Refseq NM_001143818

Protein Refseq NP_001137290

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MIM	173390
UniProt ID	P05120
Chromosome Location	18q21.3
Pathway	Amoebiasis, organism-specific biosystem; Amoebiasis, conserved biosystem; Blood Clotting Cascade, organism-specific biosystem; Dissolution of Fibrin Clot, organism-specific biosystem; Hemostasis, organism-specific biosystem; Senescence and Autophagy, organism-specific biosystem;
Function	peptidase inhibitor activity; serine-type endopeptidase inhibitor activity;

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