

Recombinant human Serpin B2/PAI-2 Protein, His-tagged

Cat. No. SERPINB2-01H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human SERPINB2 protein (1-415aa), fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
ProteinLength	1-415aa
Description	Predicted to enable serine-type endopeptidase inhibitor activity. Predicted to be involved in negative regulation of endopeptidase activity. Predicted to be located in extracellular region and plasma membrane. Predicted to be active in extracellular space.
Form	Liquid
Molecular Mass	49.0 kDa (438aa) confirmed by MALDI-TOF
AA Sequence	MEDLCVANTL FALNLFKHLAKASPTQNLFLSPWSISSTMAMVYMGSRGSTEDQMAK VLQFNEVGANAVTPMTPENFTSCGFMQQIQKGSYPDAILQAQAADKIHSSFRSLSSA INASTGNYLLESVNKLFGEKSASFREYIIRLCQKYSSSEPQAVDFLECAEEARKKINS WVKQTQTKGKIPNLLPEGSVDGDTMRMLVNAVYFKGKWKTPFEKKLNGLYPFRVNSA QRTPVQMMYLREKLNIGYIEDLKAQILELPYAGDVSMFLLLPDEIADVSTGLELLESEI TYDKLNKWT SKDKMAEDEVEVYIPQFKLEEYELRSILRSMGMEDAFNKGGRANFSG

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	MSERNDLFLSEVFHQAMVDVNEEGTEAAAGTGGVMTGRTGHGGPQFVADHPFLFL IMHKITNCILFFGRFSSP
Purity	> 80% by SDS-PAGE
Applications	SDS-PAGE
Storage	Can be stored at +2 to +8 centigrade for 1 week. For long term storage, aliquot and store at -20 to -80 centigrade. Avoid repeated freezing and thawing cycles.
Concentration	0.5 mg/mL (determined by Bradford assay)
Storage Buffer	Phosphate-Buffered Saline (pH 7.4) containing 30% glycerol, 1 mM DTT

GENE INFORMATION

Gene Name	SERPINB2 serpin family B member 2 [Homo sapiens (human)]
Official Symbol	SERPINB2
Synonyms	SERPINB2; serpin family B member 2; PAI; PAI2; PAI-2; PLANH2; HsT1201; plasminogen activator inhibitor 2; monocyte Arg-serpin; placental plasminogen activator inhibitor; plasminogen activator inhibitor, type II (arginine-serpin); plasminogen-activator inhibitor; serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 2; serpin B2; serpin peptidase inhibitor, clade B (ovalbumin), member 2; urokinase inhibitor
Gene ID	5055
mRNA Refseq	NM_001143818

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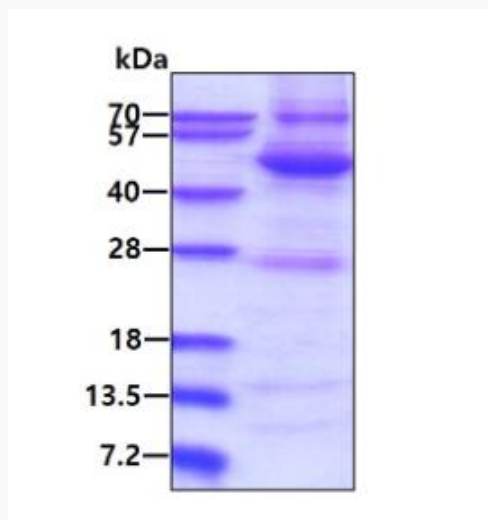
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Protein Refseq NP_001137290

MIM 173390

UniProt ID P05120

SDS-PAGE



3ug by SDS PAGE under reducing condition and visualized by coomassie blue stain

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