

## Recombinant Human SERPINB3, His-tagged

Cat. No. SERPINB3-72H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human SERPINB3 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	SERPINB3 also known as serpin B3 is a papain-like cysteine protease inhibitor to modulate the host immune response against tumor cells. Also functions as an inhibitor of UV-induced apoptosis via suppression of the activity of c-Jun NH(2)-terminal kinase (JNK1).
<b>Form</b>	Liquid, In Phosphate buffered saline (pH7.4) containing 10% glycerol, 1mM DTT
<b>Molecular Mass</b>	47kDa (413aa) confirmed by MALDI-TOF
<b>AA Sequence</b>	<p>MGSSHHHHHH SSGLVPRGSH MGSMNSLSEA NTKFMFDLFQ QFRKSKENNI  FYSPISITSA LGMVLLGAKD NTAQQIKKVL HFDQVTENTT GKAATYHVDR  SGNVHHQFQK LLTEFNKSTD AYELKIANKL FGEKTYLFLQ EYLDAIKKFY  QTSVESVDFA NAPEESRKKI NSWVESQTNE KIKNLIPEGN IGSNTTLVLV  NAIYFKGQWE KKFNKEDTKE EKFWPNKNTY KSIQMMRQYT SFHFASLEDV  QAKVLEIPYK GKDLSMIVLL PNEIDGLQKL EEKLTAEKLM EWTSLQNMRE  TRVDLHLPRF KVEESYDLKD TLRTMGMVDI FNGDADLSGM TGSRGLVLSG  VLHKAFVEVT EEGAEAAAAT AVVGFSSPT STNEEFHCNH PFLFFIRQNK  TNSILFYGRF SSP</p>

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<b>Purity</b>	>90% by SDS - PAGE
<b>Storage</b>	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.
<b>Concentration</b>	0.5mg/ml (determined by Bradford assay)
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	SERPINB3 serpin peptidase inhibitor, clade B (ovalbumin), member 3 [ Homo sapiens ]
<b>Official Symbol</b>	SERPINB3
<b>Synonyms</b>	SERPINB3; serpin peptidase inhibitor, clade B (ovalbumin), member 3; SCC, SCCA1, serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 3; serpin B3; HsT1196; T4 A; protein T4-A; squamous cell carcinoma antigen 1; serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 3; SCC; T4-A; SCCA1; SCCA-1; SCCA-PD;
<b>Gene ID</b>	6317
<b>mRNA Refseq</b>	NM_006919
<b>Protein Refseq</b>	NP_008850
<b>MIM</b>	600517
<b>UniProt ID</b>	P29508
<b>Chromosome</b>	18q21.3

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**Location**

**Pathway**

Amoebiasis, organism-specific biosystem; Amoebiasis, conserved biosystem;

**Function**

peptidase inhibitor activity; serine-type endopeptidase inhibitor activity;

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