

Recombinant Human SERPINB3, His-tagged

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

SPECIFICATION

Product Overview	Recombinant human SERPINB3 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
Description	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).
Form	Liquid, In Phosphate buffered saline (pH7.4) containing 10% glycerol, 1mM DTT
Molecular Mass	47kDa (413aa) confirmed by MALDI-TOF
AA Sequence	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 GKDLISMIVLL PNEIDGLQKL EEKLTAEKLM EWTSLQNMRE TRVDLHLPRF KVEESYDLKD TLRTMGMVDI FNGDADLSGM TGSRGLVLSG VLHKAFVEVT EEGAEAAAAT AVVGFGSSPT STNEEFHCNH PFLFFIRQNK TNSILFYGRF SSP

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Purity	>90% 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	0.5mg/ml (determined by Bradford assay)
GENE INFORMATION	
Gene Name	SERPINB3 serpin peptidase inhibitor, clade B (ovalbumin), member 3 [Homo sapiens]
Official Symbol	SERPINB3
Synonyms	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;
Gene ID	6317
mRNA Refseq	NM_006919
Protein Refseq	NP_008850
MIM	600517
UniProt ID	P29508
Chromosome	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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