

Recombinant Human SERPINB1

Cat. No. SERPINB1-31187TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human SERPINB1 with N terminal proprietary tag; Predicted MWt 67.43 kDa inclusive of tag.
Species	Human
Source	Wheat Germ
ProteinLength	379 amino acids
Description	Leukocyte elastase inhibitor (LEI) also known as serpin B1 is a protein that in humans is encoded by the SERPINB1 gene.
Molecular Weight	67.430kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	MEQLSSANTRFALDLFLALSENNPAGNIFISPFSSSAMA MVFLGTRGNTAAQLSKTF HFNTVEEVHSRFQSLNADINKR GASYILKLANRLYGEKTYNFLPEFLVSTQKTYGAD

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LASVD FQHASEDARKTINQWVKGQTEGKIPPELLASGMVDNMTKL LVNAIYFKGN
 WKDKFMKEATTNAPFRLNKKDRKTVKMMYQ KKKFAYGYIEDLKCRVLELPYQGEE
 LSMVILLPDDIEDES TGLKKIEEQLTLEKLHEWTKPENLDFIEVNVSLPRFKLEE SYTL
 NSDLARLGVQDLFNSSKADLSGMSGARDIFISKIVH KSFVEVNEEGTEAAAATAGIAT
 FCMLMPEENFTADHPFLF FIRHNSSGSILFLGRFSSP

**Sequence
Similarities**

Belongs to the serpin family. Ov-serpin subfamily.

GENE INFORMATION

Gene Name

SERPINB1 serpin peptidase inhibitor, clade B (ovalbumin), member 1 [Homo sapiens]

Official Symbol

SERPINB1

Synonyms

SERPINB1; serpin peptidase inhibitor, clade B (ovalbumin), member 1; ELANH2, serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 1; leukocyte elastase inhibitor; anti elastase; EI; PI2;

Gene ID

1992

mRNA Refseq

NM_030666

Protein Refseq

NP_109591

MIM

130135

Uniprot ID

P30740

**Chromosome
Location**

6p25

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Pathway	Amoebiasis, organism-specific biosystem; Amoebiasis, conserved biosystem;
Function	peptidase inhibitor activity; serine-type endopeptidase inhibitor activity; serine-type endopeptidase inhibitor activity;

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