

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	MEQLSSANTRFALDLFLALSENNPAGNIFISPFSSAMA MVFLGTRGNTAAQLSKTF HFNTVEEVHSRFQSLNADINKR GASYILKLANRLYGKTYNFLPEFLVSTQKTYGAD

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LASVD FQHASEDARKTINQWVKGQTEGKIPELLASGMVDNMTKLV 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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