

# Recombinant Full Length Human SERPINB1 Protein

**Cat. No.** SERPINB1-463HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant full length Human SERPINB1 with N terminal proprietary tag; Predicted MWt 67.43 kDa inclusive of tag.                                                                                                                                                                                                                                                                                                           |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Source</b>           | In Vitro Cell Free System                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>ProteinLength</b>    | 379 amino acids                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Description</b>      | Leukocyte elastase inhibitor (LEI) also known as serpin B1 is a protein that in humans is encoded by the SERPINB1 gene.                                                                                                                                                                                                                                                                                                     |
| <b>Form</b>             | Liquid                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Molecular Mass</b>   | 67.430kDa inclusive of tags                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>AA Sequence</b>      | MEQLSSANTRFALDLFLALSENNPAGNIFISPFSSAMA MVFLGTRGNTAAQLSKTF<br>HFNTVEEVHSRFQSLNADINKR GASYILKLANRLYGEKTYNFLPEFLVSTQKTYGAD<br>LASVD FQHASEDARKTINQWVKGQTEGKIPPELLASGMVDNMTKLV LVNAIYFKGN<br>WKDKFMKEATTNAPFRLNKKDRKTVKMMYQ KKKFAYGYIEDLKCRVLELPYQGEE<br>LSMVILLPDDIEDES TGLKKIEEQLTLEKLHEWTKPENLDFIEVNVSLPRFKLEE SYTL<br>NSDLARLGVQDLFNSSKADLSGMSGARDIFISKIVH KSFVEVNEEGTEAAAATAGIAT<br>FCMLMPEENFTADHPFLF FIRHNSSGSILFLGRFSSP |
| <b>Purity</b>           | Proprietary Purification                                                                                                                                                                                                                                                                                                                                                                                                    |

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**Storage** Shipped on dry ice. Upon delivery aliquot and store at -80 centigrade. Avoid freeze / thaw cycles.

**Storage Buffer** pH: 8.00. Constituents:0.79% Tris HCl, 0.31% Glutathione.

## 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

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