

# Recombinant Human SERPINB1 protein, His-SUMO-tagged

**Cat. No.** SERPINB1-3480H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
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| <b>Product Overview</b> | Recombinant Human SERPINB1 protein(P30740)(1-379aa), fused to N-terminal His-SUMO tag, was expressed in E. coli.                                                                                                                                                                                                                                                                                                                                     |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>ProteinLength</b>    | 1-379aa                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Form</b>             | <p>If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol.</p> <p>If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.</p>                                                                                                                                                                                                     |
| <b>Molecular Mass</b>   | 58.7 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>AA Sequence</b>      | <p>MEQLSSANTRFALDLFLALSENNPAGNIFISPFSSISSAMAMVFLGTRGNTAAQLSKTF</p> <p>HFNTVEEVHSRFQSLNADINKRGASYILKLANRLYGEKTYNFLPEFLVSTQKTYGADL</p> <p>ASVDFQHASEDARKTINQWVKGQTEGKIPELLASGMVDNMTKLVLVNAIYFKGNWK</p> <p>DKFMKEATTNAPFRLNKKDRKTVKMMYQKKKFAYGYIEDLKCRVLELPYQGEELSM</p> <p>VILLPDDIEDESTGLKKIEEQLTLEKLHEWTKPENLDFIEVNVSLPRFKLEESYTLNSDL</p> <p>ARLGVQDLFNSSKADLSGMSGARDIFISKIVHKSFVEVN EEGTEAAAATAGIATFCML</p> <p>MPEENFTADHPFLFFIRHNSSGSILFLGRFSSP</p> |
| <b>Purity</b>           | Greater than 90% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                                                                          |

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|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage</b>          | Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Reconstitution</b>   | Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%.                                                                                                                                                                                                                      |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Gene Name</b>        | SERPINB1 serpin peptidase inhibitor, clade B (ovalbumin), member 1 [ Homo sapiens ]                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Official Symbol</b>  | SERPINB1                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Synonyms</b>         | 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; PI-2; serpin B1; anti-elastase; peptidase inhibitor 2; monocyte/neutrophil elastase inhibitor; protease inhibitor 2 (anti-elastase), monocyte/neutrophil derived; serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 1; LEI; MNEI; M/NEI; ELANH2; |
| <b>Gene ID</b>          | 1992                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>mRNA Refseq</b>      | NM_030666                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Protein Refseq</b>   | NP_109591                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>MIM</b>              | 130135                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>UniProt ID</b>       | P30740                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

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