

Active Recombinant Human SLPI protein, His-tagged

Cat. No. SLPI-2550H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human SLPI (Met1-Ala132) fused with His tag at C-terminal was expressed in Insect Cells.
Species	Human
Source	Insect Cells
ProteinLength	Met1-Ala132
Predicted N Terminal	Ser 26
Form	Lyophilized from sterile 20mM Tris, 500mM NaCl, 10% gly, pH 7.4.1. Normally 5 % - 8 % trehalose and mannitol are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA.2. Please contact us for any concerns or special requirements.
Bio-activity	Measured by its ability to inhibit trypsin cleavage of a fluorogenic peptide substrate, Mca-RPKPVE-Nval-WRK (Dnp)-NH ₂ . The IC ₅₀ value is <1 Nm.
Molecular Mass	The secreted recombinant human SLPI consists of 117 amino acids and predicts a molecular mass of 13.1 KDa. The apparent molecular mass of the protein is approximately 15 KDa in SDS-PAGE under reducing conditions due to glycosylation.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method

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Purity	> 90 % as determined by SDS-PAGE
Stability	Samples are stable for up to twelve months from date of receipt at -70 centigrade
Storage	Store it under sterile conditions at -20 centigrade to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	A hardcopy of COA with reconstitution instruction is sent along with the products. Please refer to it for detailed information.
Shipping	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

GENE INFORMATION

Gene Name	SLPI secretory leukocyte peptidase inhibitor [Homo sapiens]
Official Symbol	SLPI
Synonyms	SLPI; secretory leukocyte peptidase inhibitor; secretory leukocyte protease inhibitor (antileukoproteinase); antileukoproteinase; ALK1; ALP; BLPI; HUSI; HUSI I; WAP4; WFDC4; HUSI-1; protease inhibitor WAP4; mucus proteinase inhibitor; seminal proteinase inhibitor; WAP four-disulfide core domain protein 4; MPI; HUSI-I;
Gene ID	6590
mRNA Refseq	NM_003064

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Protein Refseq	NP_003055
MIM	107285
UniProt ID	P03973
Chromosome Location	20pter-p12.3
Function	endopeptidase inhibitor activity; enzyme binding; protein binding; serine-type endopeptidase inhibitor activity;

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