

Recombinant Human Secretory Leukocyte Peptidase Inhibitor, His-tagged

Cat. No. SLPI-2575H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human SLPI, fused to His-tag at N-terminus, was expressed in <i>E.coli</i> and purified by using conventional chromatography. MW = 14.0kDa (128aa).
Species	Human
Source	<i>E.coli</i>
Description	SLPI is a secreted inhibitor which protects epithelial tissues from serine proteases. It is found in various secretions including seminal plasma, cervical mucus, and bronchial secretions, and has affinity for trypsin, leukocyte elastase, and cathepsin G. Its inhibitory effect contributes to the immune response by protecting epithelial surfaces from attack by endogenous proteolytic enzymes; the protein is also thought to have broad-spectrum anti-biotic activity.
Sequences Of Amino Acids	MGSSHHHHHH SSGLVPRGSH MSGKSFKAGV CPPKSAQCL RYKKPECQSD WQCPGKKRCC PDTGKICLD PVDTPNPTRR KPGKCPVTYG QCLMLNPPNF CEMDGQCKRD LKCCMGMCCK SCVSPVKA
Purity	> 80% by SDS – PAGE.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol, 2mM DTT, 100mM NaCl.
Concentration	0.5 mg/ml (determined by Bradford assay).

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Storage

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION
Gene Name

SLPI secretory leukocyte peptidase inhibitor [*Homo sapiens*]

Synonyms

SLPI; secretory leukocyte peptidase inhibitor; ALP; MPI; ALK1; BLPI; HUSI; WAP4; WFDC4; HUSI-I; antileukoproteinase; HUSI-1; protease inhibitor WAP4; mucus proteinase inhibitor; seminal proteinase inhibitor; WAP four-disulfide core domain 4; WAP four-disulfide core domain protein 4; secretory leukocyte protease inhibitor (antileukoproteinase); Secretory leukocyte protease inhibitor

Gene ID

6590

mRNA Refseq

NM_003064

Protein Refseq

NP_003055

MIM

107285

UniProt ID

P03973

**Chromosome
Location**

20q12

Function

endopeptidase inhibitor activity; serine-type endopeptidase inhibitor activity

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