

## Secretory Leukocyte Peptidase Inhibitor (SLPI) Recombinant Protein | SLPI recombinant protein

Recombinant Secretory Leukocyte Peptidase Inhibitor (SLPI)

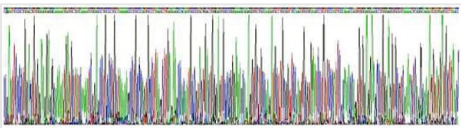
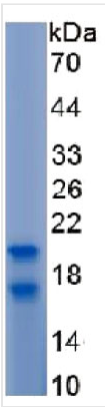
| CATALOG # | HOST   | REACTIVITY           | APPLICATIONS           |
|-----------|--------|----------------------|------------------------|
| AAA20288  | E.coli | Mus musculus (Mouse) | SDS-Page, Western Blot |

### PRODUCT SYNONYMS

Secretory Leukocyte Peptidase Inhibitor (SLPI); Recombinant Secretory Leukocyte Peptidase Inhibitor (SLPI); SLPI recombinant protein

### PRODUCT SPECIFICATIONS

|                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                                 | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Reactivity                                           | Mus musculus (Mouse)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Purity/Purification                                  | > 80%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Form/Format                                          | PBS, pH7.4, containing 0.01% SKL, 5% Trehalose.                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Concentration                                        | Original Concentration: 200ug/mL (varies by lot)                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Applicable Applications for SLPI recombinant protein | Positive Control, Immunogen, SDS-PAGE, WB (Western Blot)                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Application Notes                                    | (May be suitable for use in other assays to be determined by the end user.)                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Source                                               | Prokaryotic expression                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Residues                                             | Pro20~Met131                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Tags                                                 | N-terminal His Tag                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Subcellular Location                                 | Secreted                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Traits                                               | Freeze-dried powder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Predicted isoelectric point                          | 8.7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Usage                                                | Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Preparation and Storage                              | <b>Storage:</b><br>Avoid repeated freeze/thaw cycles.<br>Store at 2-8 degree C for one month.<br>Aliquot and store at -80 degree C for 12 months.<br><br><b>Stability Test:</b><br>The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition. |



Gene Sequencing (Extract)

SDS-PAGE

P WTVEGGKND A IKIGACPAKK PAQCLKLEKP  
QCRTDWECPG KQRCCQDACG SKCVNPVPIR KPVWRKPGRC VKTQARCMML  
NPPNVCQRDG QCDGKYKCCE GICGKVCCLPP M

Sequence Information

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                       |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 6755574                                                                                                               |
| NCBI GeneID                      | 20568                                                                                                                 |
| NCBI Accession #                 | NP_035544.1                                                                                                           |
| NCBI GenBank Nucleotide #        | NM_011414.3                                                                                                           |
| UniProt Accession #              | P97430; O09081; O09082                                                                                                |
| Molecular Weight                 | Predicted Molecular Mass: 19.1kDa<br>Accurate Molecular Mass: 17&20kDa as determined by SDS-PAGE reducing conditions. |
| NCBI Official Full Name          | antileukoproteinase                                                                                                   |
| NCBI Official Synonym Full Names | secretory leukocyte peptidase inhibitor                                                                               |
| NCBI Official Symbol             | Slpi                                                                                                                  |
| NCBI Protein Information         | antileukoproteinase; ALP; secretory leukocyte protease inhibitor                                                      |
| UniProt Protein Name             | Antileukoproteinase                                                                                                   |
| UniProt Gene Name                | Slpi                                                                                                                  |
| UniProt Synonym Gene Names       | ALP                                                                                                                   |
| UniProt Entry Name               | SLPI_MOUSE                                                                                                            |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.