

AR09536PU-L

Human Antileukoproteinase / ALP (26-132, His-tag) - Purified

Alternate names:

BLPI, HUSI-1, Mucus proteinase inhibitor, Protease inhibitor WAP4, SLPI, Secretory leukocyte protease inhibitor, Seminal proteinase inhibitor, WAP four-disulfide core domain protein 4, WAP4, WFDC4

Quantity:

0.25 mg

Concentration:

0.5 mg/ml (determined by Bradford assay)

Background:

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.

Uniprot ID:

[P03973](#)

NCBI:

[NP_003055](#)

GenelD:

[6590](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >80% by SDS - PAGE

Buffer System: 20mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 2mM DTT, 100mM NaCl

Description:

Recombinant human SLPI, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.

AA Sequence:

MGSSHHHHHH SSGLVPRGSH MSGKSFKAGV CPPKSAQCL RYKKPECQSD WQCPGKKRCC
PDTGKICLD PVDTPNPTRR KPGKCPVTYG QCLMLNPPNF CEMDGQCKRD LKCCMGMCCK
SCVSPVKA

Molecular weight: kDa (128aa) confirmed by MALDI-TOF

Storage:

Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer.

Avoid repeated freezing and thawing.

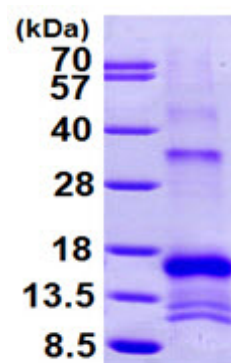
Shelf life: one year from despatch.

General Readings:

Rasool N., et al. (2010) Clin Cancer Res. 16(2):600-9

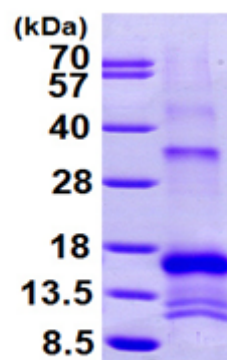
King AE., et al. (2009) Hum Reprod. 24(3):679-86.

Pictures:



15% SDS-PAGE (3ug)

Recombinant human SLPI, 26-132aa, His-tagged



15% SDS-PAGE (3ug)