

## 32-17949: Recombinant Human SLPI Protein, hFc Tag

**Uniprot ID :** P03973

**Alternative Name :** ALP, BLPI, HUSI-1, MPI, WAP4, WFDC4

### Description

Molecular Characterization: SLPI(Ser26-Ala132) hFc(Glu99-Ala330)

Molecular weight: The protein has a predicted molecular mass of 37.9 kDa after removal of the signal peptide. The apparent molecular mass of SLPI-hFc is approximately 35-55 kDa due to glycosylation.

Description: Recombinant human SLPI protein with C-terminal human Fc tag

This gene encodes 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. This antimicrobial protein has antibacterial, antifungal and antiviral activity.

### Product Info

**Amount :** 100 µg / 50 µg

**Content :** Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization.

**Storage condition :** Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing).  
Lyophilized proteins are shipped at ambient temperature.