

HUMAN SLPI PROTEIN, HFC TAG

Cat.#: 11584

Product Name: Human SLPI Protein

Size: 10 µg, 50 µg and 100 µg

Synonyms: ALP;BLPI;HUSI-1;MPI;WAP4;WFDC4

Target: SLPI

UNIPROT ID: P03973

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

Background: 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. [provided by RefSeq, Nov 2014]

Species/Host: HEK293

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.

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

Purity: The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.

Formulation & Reconstitution: Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

Storage & Shipping: 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.

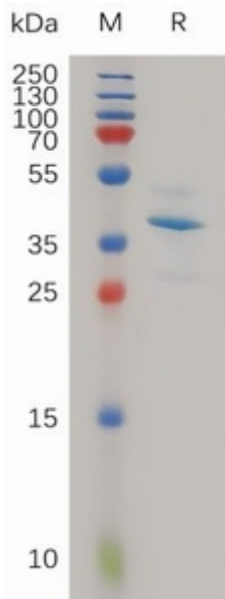


Figure 1. Human SLPI Protein, hFc Tag on SDS-PAGE under reducing condition.