9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
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SLPI Human

Secretory Leukocyte Peptidase Inhibitor Human Recombinant
RCP2124

Product Overview

Name	SLPI Human

Description

Secretory Leukocyte Peptidase Inhibitor Human Recombinant

Accession (Primary)	P03973

Synonyms

Antileukoproteinase, ALK1, ALP, BLPI, HUSI, HUSI-I, MPI, WAP4, WFDC4, WAP four-disulfide core domain protein 4, Protease inhibitor WAP4, Seminal proteinase inhibitor, Mucus proteinase inhibitor.

Introduction

SLPI is a secreted inhibitor which guards epithelial tissues from serine proteases. SLPI is localized in various secretions including seminal plasma, cervical mucus, and bronchial secretions, and has affinity for trypsin, leukocyte elastase, and cathepsin G. SLPI inhibitory effect contributes to the immune response by protecting epithelial surfaces from attack by endogenous proteolytic enzymes. SLPI protein has broad-spectrum anti-biotic activity. SLPI is an acid-stable proteinase inhibitor with strong affinities for trypsin, chymotrypsin, elastase, and cathepsin G. SLPI prevents elastase-mediated damage to oral and mucosal tissues.

Source

Escherichia Coli.

Physical Appearance

Sterile filtered colorless solution.

Formulation

SLPI Human solution containing 20mM Tris-HCl pH-8.0, 2mM DTT, 0.1M NaCl & 20% glycerol.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Purity

Greater than 80.0% as determined by SDS-PAGE.

Amino acid sequence

MGSSHHHHHH SSGLVPRGSH M SGKSFKAGV CPPKKSAQCL RYKKPECQSD WQCPGKKRCC PDTCGIKCLD PVDTPNPTRR KPGKCPVTYG QCLMLNPPNF CEMDGQCKRD LKCCMGMCGK SCVSPVKA.

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Precautions

SLPI Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P03973)