

Recombinant Mouse Secretory Leukocyte Peptidase Inhibitor (Slpi), N-His

Cat. No.: AP4C772

Product Type: Animal Proteins

Size: 10 µg; 50 µg; 200 µg; 1 mg; 5 mg

Product Overview

BioVenic's Recombinant Mouse Secretory Leukocyte Peptidase Inhibitor (Slpi), N-His is a recombinant protein expressed from *E. coli*. Its predicted molecular weight is 19.1 kDa. The purity is > 95%.

Specifications

Type	Recombinant Protein
Species	Mouse
Expression System	<i>E. coli</i>
Purity	> 95%
Endotoxin	<1.0 EU per 1µg (determined by the LAL method)
Predicted Molecular Weight	19.1 kDa
Physical State	Lyophilized
Formulation	20 mM Tris, 150 mM NaCl, pH8.0, containing 1 mM EDTA, 1 mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.

Target Information

Mouse Secretory Leukocyte Peptidase Inhibitor (Slpi) is a serine protease inhibitor that plays a crucial role in regulating inflammation and immune responses. It is highly expressed in mucosal tissues and inhibits the activity of various serine proteases, including elastase and trypsin, thereby reducing tissue damage and inflammation. Slpi also has antimicrobial properties, protecting against bacterial and viral infections. In mouse models, Slpi is involved in the regulation of immune cell functions and has been shown to modulate the activity of neutrophils and macrophages. Abnormal expression of Slpi has been implicated in various inflammatory and infectious diseases, including chronic obstructive pulmonary disease (COPD) and cystic fibrosis.

Protein	Mouse Secretory Leukocyte Peptidase Inhibitor (Slpi)
Protein Synonym	Slpi
Gene ID	20568
EC No.	E9Q748

Shipping and Storage

This product is shipped with ice packs. Lyophilized protein can be stored at -80°C for 1 year. After reconstitution, the protein solution can be stored at 2-8°C for 2-7 days.

User Note

Always centrifuge tubes before opening. Avoid mixing by vortexing or pipetting. Reconstitute in deionized sterile water to a concentration of 0.1-1.0 mg/mL. Aliquot the reconstituted solution to minimize freeze-thaw cycles.

The product is for research use only. Not for commercial, prophylactic, diagnostic, or therapeutic applications. Please determine the purpose of the product before purchasing. For further information and inquiry, please contact us.