

Recombinant Mouse Slpi Protein, Myc/DDK-tagged

Cat. No. Slpi-5945M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length secretory leukocyte peptidase inhibitor (Slpi), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Acid-stable proteinase inhibitor with strong affinities for trypsin, chymotrypsin, elastase, and cathepsin G. Modulates the innate immune response after bacterial infection. Contributes to regulate the inflammatory and immune responses to the intracellular parasite <i>L.major</i> . Down-regulates responses to bacterial lipopolysaccharide (LPS). Plays a role in regulating the activation of NF-kappa-B and inflammatory responses. Has antimicrobial activity against mycobacteria, but not against salmonella. Contributes to normal resistance against infection by <i>M.tuberculosis</i> . Required for normal resistance to <i>L.major</i> . Required for normal wound healing, probably by preventing tissue damage by limiting protease activity. Together with ELANE, required for normal differentiation and proliferation of bone marrow myeloid cells.
Molecular Mass	14.3 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

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Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	Slpi secretory leukocyte peptidase inhibitor [Mus musculus (house mouse)]
Official Symbol	Slpi
Synonyms	SLPI; secretory leukocyte peptidase inhibitor; antileukoproteinase; ALP; secretory leukocyte protease inhibitor
Gene ID	20568
mRNA Refseq	NM_011414
Protein Refseq	NP_035544
UniProt ID	P97430

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