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Recombinant Mouse Lymphotactin/XCL1 Protein

Catalog No.: RP02989 Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Mouse	16963	P47993

Tags
C-His

Synonyms
LTN; ATAC; LPTN; SCM1; SCM-1; SCM1A; SCYC1; SCM-1a

Product Information

Source	Purification
Baculovirus-Insect Cells	≥ 85 % as determined by SDS-PAGE.

Calculated MW	Observed MW
11.5 kDa	20 kDa

Endotoxin
< 1 EU/μg of the protein by LAL method.

Formulation
Lyophilized from sterile 50mM Tris, 100mM NaCl, pH 7.4, 10% gly

Reconstitution
Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

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Background

This antimicrobial gene encodes a member of the chemokine superfamily. Chemokines function in inflammatory and immunological responses, inducing leukocyte migration and activation. The encoded protein is a member of the C-chemokine subfamily, retaining only two of four cysteines conserved in other chemokines, and is thought to be specifically chemotactic for T cells. This gene and a closely related family member are located on the long arm of chromosome 1.

Basic Information

Description
Recombinant Mouse Lymphotactin/XCL1 Protein is produced by Baculovirus-Insect Cells expression system. The target protein is expressed with sequence (Val22-Gly114) of mouse Lymphotactin/XCL1 (Accession #NP_032536.1) fused with a 6×His tag at the C-terminus.

Bio-Activity

Shipping
The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃.Store the lyophilized protein at -20℃ to -80 ℃ up to 1 year from the date of receipt.
After reconstitution, the protein solution is stable at -20℃ for 3 months, at 2-8℃ for up to 1 week.
Avoid repeated freeze/thaw cycles.

Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

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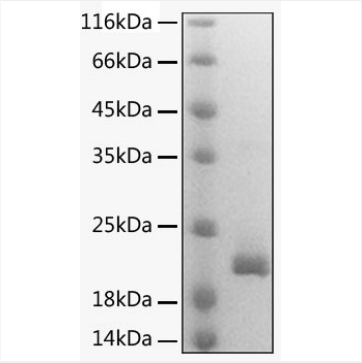
Validation Data



Recombinant Mouse Lymphotactin/XCL1 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.

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