

Recombinant Murine Lungkine/CXCL15

Catalog No: #AP60341



Package Size: #AP60341-1 5ug #AP60341-2 100ug #AP60341-3 500ug

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Description

Product Name	Recombinant Murine Lungkine/CXCL15
Host Species	Escherichia coli.
Purification	> 95 % by SDS-PAGE and HPLC analyses.
Uniprot	Q9WVL7
GeneID	20309
Calculated MW	Approximately 16.4 kDa, a single non-glycosylated polypeptide chain containing 142 amino acids.
Target Sequence	QELRCLCIQE HSEFIPLKLI KNIMVIFETI YCNRKEVIIV PKNGSMICLD PDAPWVKATV GPITNRFLE DLKQKEFPPA MKLLYSVEHE KPLYLSFGRP ENKRIFPFPI RETSRHFADL AHNSDRNFLR DSSEVSLTGS DA
Formulation	Lyophilized from a 0.2 µm filtered concentrated solution in PBS, pH 7.4, with 0.02 % Tween-20.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.- 12 months from date of receipt, -20 to -70 °C as supplied.- 1 month, 2 to 8 °C under sterile conditions after reconstitution.- 3 months, -20 to -70 °C under sterile conditions after reconstitution.

Background

Mouse Lungkine/CXCL15, also named WECH, is a member of the ELR motif-containing CXC chemokines. The cDNA of mouse Lungkine encodes a protein of 166 amino acids (aa) with a 25 aa predicted signal peptide and a 141 aa mature protein with an extremely long C terminal tail that protrudes beyond the chemokine fold. Mouse Lungkine shares 35% aa sequence identity with human ENA-78 and 31% identity with human IL-8. The gene for mouse Lungkine has been mapped to chromosome 5. By Northern blot and in situ hybridization, Lungkine transcripts are only specifically detected in the adult and fetal lung, and its expression is up-regulated under inflammatory conditions. Lungkine protein is secreted into bronchoalveolar space and is involved in lung-specific neutrophils trafficking. Studies from Lungkine knock out mice suggests that Lungkine is an important mediator of neutrophil migration from the lung parenchyma into the airspace. Lungkine is also chemotactic for bone marrow progenitor cells and modulates hematopoietic cell differentiation.

Note: This product is for in vitro research use only