

Active Recombinant Mouse Cxcl5 Protein

Cat. No. Cxcl5-2398M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of Mouse chemokine (C-X-C motif) ligand 5 (Cxcl5 / Lix) without tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Val45-Ala118
Description	This gene encodes a protein that is a member of the CXC subfamily of chemokines. Chemokines, which recruit and activate leukocytes, are classified by function (inflammatory or homeostatic) or by structure. This protein is proposed to bind the G-protein coupled receptor chemokine (C-X-C motif) receptor 2 to recruit neutrophils and to have homeostatic and inflammatory functions. In mouse, deficiency of this gene is associated with increased lung inflammation that is neutrophil-dependent.
Bio-activity	Bioactivity was measured by its property to chemoattract human neutrophils in a dose dependent manner.
Molecular Mass	8.0 kDa
Endotoxin	Less than 0.01 ng/μg protein as determined by the LAL method
Purity	> 98%, as determined by Coomassie stained SDS-PAGE.

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Stability	Unopened vial can be stored between 2 and 8 centigrade for up to 2 weeks, at -20 centigrade for up to 6 months, or at -70 centigrade or below until the expiration date. Aliquots can be stored between 2 and 8 centigrade for up to one week and stored at -20 centigrade or colder for up to 3 months. Avoid repeated freeze/thaw cycles.
Storage	Store at -80 centigrade.
Concentration	Protein formulated and vialled at >50 µg/mL in specified buffer
Storage Buffer	1 x PBS

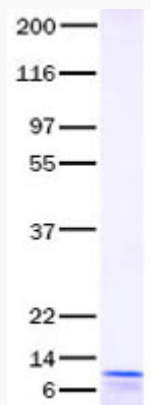
GENE INFORMATION

Gene Name	Cxcl5 chemokine (C-X-C motif) ligand 5 [<i>Mus musculus</i> (house mouse)]
Official Symbol	Cxcl5
Synonyms	CXCL5; chemokine (C-X-C motif) ligand 5; C-X-C motif chemokine 5; cytokine LIX; small-inducible cytokine B5; granulocyte chemotactic protein-2; small inducible cytokine B subfamily, member 5; small inducible cytokine subfamily B, member 15; LIX; GCP-2; Scyb5; Scyb6; ENA-78; AMCF-II
Gene ID	20311
mRNA Refseq	NM_009141
Protein Refseq	NP_033167
UniProt ID	P50228

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SDS-PAGE

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