Cxcl5
Recombinant Mouse Granulocyte Chemotactic Protein-2

Catalog No.	CRL400A	**Quantity:**	5 µg
	CRL400B		20 µg
	CRL400C		1.0 mg

Alternate Names: AMCF-II, ENA-78, GCP-2, LIX, Scyb5, Scyb6, granulocyte chemotactic protein-2, small inducible cytokine B subfamily, member 5, small inducible cytokine subfamily B, member 15

Description: Recombinant Mouse LIX (CXCL5) is the Mouse homolog of ENA-78. LIX is a CXC chemokine that signals through the CXCR2 receptor. It is expressed in monocytes, platelets, endothelial cells, and mast cells. ENA-78/LIX is a chemoattractant for neutrophils. The three naturally occurring variants of human ENA-78; ENA 5-78, ENA 9 -78 and ENA 10-78, contain 74, 70, and 69 amino acid residues, respectively, and possess the same biological activity. ENA-78/LIX contains the four conserved cysteine residues present in CXC chemokines, and also contains the 'ELR' motif common to CXC chemokine that bind to the CXCR1 and CXCR2 receptors.
LIX is a single, non-glycosylated polypeptide chain containing 92 amino acids.

Gene ID: 20311

Source: *E. coli*

Molecular Weight: 9.8 kDa

Formulation: Lyophilized from a 0.2 µm filtered concentrated (1.0 mg/mL) solution in 20 mM PB, pH 7.4 + 150 mM NaCL.

Purity: >97% by SDS-PAGE and HPLC

Endotoxin Level: Less than 1 EU/µg of recombinant mouse CXCL5 as determined by LAL method.

Biological Activity: Fully biologically active when compared to standard. The biological activity determined by a chemotaxis bioassay using human peripheral blood neutrophils is in a concentration of 10-100 ng/ml.

Amino Acid Sequence: APSSVIAATE LRCVCLTVTP KINPKLIANL EVIPAGPQCP TVEVIAKLKN QKEVCLDPEA PVIKKIIQKI LGSDKKKAKR NALAVERTAS VQ

Reconstitution: **Centrifuge vial prior to opening.** Add sterile distilled water or aqueous buffer to a concentration of 0.1-1.0 mg/mL. Further dilutions should be made in appropriate buffered solutions.

Storage & Stability: Stable at 2-8°C, but best kept desiccated -20°C. Upon reconstitution, stable for up to 1 week at 2-8°C. For longer term, store in working aliquots below -20°C. **Avoid repeated freeze/thaw cycles.**

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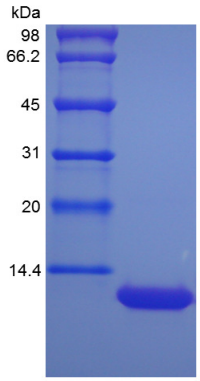

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