

## Recombinant Mouse Cxcl5 protein

Cat. No. Cxcl5-97M Lot. No. (See product label)

### SPECIFICATION

**Product Overview** Recombinant Mouse Cxcl5 protein (70 a.a.) was expressed in Escherichia coli.

**Species** Mouse

**Source** E.coli

**ProteinLength** 70

**Description** CXCL5 is a small cytokine belonging to the CXC chemokine family that is also known as epithelial-derived neutrophil-activating peptide 78 (ENA-78) and the gene for CXCL5 is encoded by the CXCL5 gene. It May participate in the recruitment of inflammatory cells by injured or infected tissue. CXCL5 is cleaved into the following 2 chains: GCP-2 (1-78) and GCP-2 (9-78) which attract neutrophils and are involved in neutrophil activation. Recombinant Mouse CXCL5 (92 a.a.) contains 92 amino acids and shares 57 % amino acid sequence identity with human CXCL5.

**Form** Lyophilized from a 0.2µm filtered concentrated solution in PBS, pH 7.4.

**Bio-activity** Fully biologically active when compared to standard. The biological activity determined by a chemoattract bioassay using human neutrophils is in a concentration range of 10-100 ng/ml.

**Molecular Mass** Approximately 7.6 kDa, a single non-glycosylated polypeptide chain containing 70 amino acids.

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<b>AA Sequence</b>	TELRCVCLTVTPKINPKLIANLEVIPAGPQCPTVEVIAKLKNQKEVCLDPEAPVIKKIIQK ILGSDKKKA
<b>Endotoxin</b>	Less than 0.1 EU/g of rMuLIX, 70a.a./CXCL5 as determined by LAL method.
<b>Purity</b>	>96% by SDS-PAGE and HPLC analysis.
<b>Storage</b>	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -70 centigrade under sterile conditions after reconstitution.
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤-20 centigrade. Further dilutions should be made in appropriate buffered solutions.

## GENE INFORMATION

<b>Gene Name</b>	Cxcl5
<b>Official Symbol</b>	Cxcl5
<b>Synonyms</b>	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;
<b>Gene ID</b>	20311

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mRNA Refseq [NM\\_009141](#)

Protein Refseq [NP\\_033167](#)

UniProt ID [P50228](#)

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