

**LIX/CXCL5**  
**Catalog # PVGS1108****Specification**

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**LIX/CXCL5 - Product Information**

Primary Accession [P50228](#)  
**Species**  
Mouse

**Sequence**  
Ala41-Gln132

**Purity**  
> 97% as analyzed by SDS-PAGE<br>> 97% as analyzed by HPLC

**Endotoxin Level**  
< 1 EU/ µg of protein 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 10.0-100.0 ng/ml.

**Expression System**  
E. coli

**Theoretical Molecular Weight**  
9.8 kDa

Formulation **Lyophilized from a 0.2 µm filtered solution in 20 mM PB, pH 7.4, 150 mM NaCl.**

**Reconstitution**  
It is recommended that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute the lyophilized powder in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/ml.

**Storage & Stability**  
Upon receiving, this product remains stable for up to 6 months at -70°C or -20°C. Upon reconstitution, the product should be stable for up to 1 week at 4°C or up to 3 months at -20°C. Avoid repeated freeze-thaw cycles.

**LIX/CXCL5 - Additional Information**

**Gene ID** 20311

**Other Names**  
C-X-C motif chemokine 5, Cytokine LIX, Small-inducible cytokine B5, GCP-2(1-78), GCP-2(9-78), Cxcl5, Scyb5

**Target Background**

The mouse homolog of ENA-78 is called LIX. 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/CXCL5 - Protein Information**

**Name** Cxcl5

**Synonyms** Scyb5

**Function**

May participate in the recruitment of inflammatory cells by injured or infected tissue. GCP-2(1-78) and, more potent, GCP-2(9-78) attract neutrophils and are involved in neutrophil activation.

**Cellular Location**

Secreted.

**LIX/CXCL5 - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**LIX/CXCL5 - Images**