

LIX/CXCL5

Catalog # PVGS1386

Product Information

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| Primary Accession Species | P50228 Mouse |
| Sequence | Val45-Ala118 |
| Purity | > 98% as analyzed by SDS-PAGE |
| Endotoxin Level Biological Activity | The EC ₅₀ value of mouse LIX/CXCL5 (74aa) on Ca ²⁺ mobilization assay in CHO-K1/Gα15/mCXCR2 cells (human Gα15 and mouse CXCR2 stably expressed in CHO-K1 cells) is less than 200.0 ng/ml. |
| Expression System | HEK 293 Cells |
| Formulation Reconstitution | Lyophilized after extensive dialysis against PBS. It is recommended that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute the lyophilized powder in ddH ₂ O or PBS up to 100 µg/ml. |
| Storage & Stability | Upon receiving, this product remains stable for up to 6 months at lower than -70°C. Upon reconstitution, the product should be stable for up to 1 week at 4°C or up to 3 months at -20°C. For long term storage it is recommended that a carrier protein (example 0.1% BSA) be added. Avoid repeated freeze-thaw cycles. |

Additional Information

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| 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 | Mouse LIX (C-X-C motif chemokine 5) is a small cytokine belonging to the CXC chemokine family that is cleaved into the following 2 chains [GCP-2(1-78) and GCP-2(9-78)]. Mouse LIX plays a role in reducing sensitivity to sunburn pain in some subjects, and is a potential target which could be used to understand more about pain in other inflammatory conditions. It is most closely related to two highly homologous human neutrophil chemoattractants GCP-2 and ENA-78. The first 78 amino acid residues within the predicted mature mouse LIX shares approximately 61% and 55% amino acid identity with human GCP-2 and ENA-78. This chemokine stimulates the chemotaxis of neutrophils possessing angiogenic properties. It elicits these effects by interacting with the cell surface chemokine receptor CXCR2. |

Protein Information

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| 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. |

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.