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# GRO-β/CINC-3/CXCL2

Catalog # PVGS1448

## Product Information

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| **Primary Accession** | P30348 |
| **Species** | Rat |
| **Sequence** | Ser32-Asn100 |
| **Purity** | > 95% as analyzed by SDS-PAGE |
| **Endotoxin Level** | |
| **Biological Activity** | The $EC_{50}$ value of Rat GRO-β/CINC-3/CXCL2 on $Ca^{2+}$ mobilization assay in CHO-K1/Gα15/rCXCR2 cells (human Gα15 and rat CXCR2 stably expressed in CHO-K1 cells) is less than 10.0 ng/ml. |
| **Expression System** | E. coli |
| **Formulation** | Lyophilized after extensive dialysis against PBS. |
| **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 $ddH_2O$ or PBS up to 100 □g/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** | 114105 |
| **Other Names** | C-X-C motif chemokine 2, Cytokine-induced neutrophil chemoattractant 3, CINC-3, Macrophage inflammatory protein 2, MIP2, Cxcl2, Cinc3, Mip-2, Mip2, Scyb2 |
| **Target Background** | Chemokine (C-X-C motif) ligand 2(CXCL2) is a small cytokine belonging to the CXC chemokine family that is also called macrophage inflammatory protein 2-alpha (MIP2-alpha), Growth-regulated protein beta (Gro-beta) and Gro oncogene-2 (Gro-2). CXCL2 shares 90% amino acid sequence with CXCL1/GROα. The GRO proteins are chemotactic for neutrophils and basophils and can activate them through their CXCR1 or CXCR2 receptors. |

## Protein Information

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| **Name** | Cxcl2 |
| **Synonyms** | Cinc3, Mip-2, Mip2, Scyb2 |
| **Function** | Chemotactic for human polymorphonuclear leukocytes but does not induce chemokinesis or an oxidative burst. Contributes to neutrophil activation during inflammation. |
| **Cellular Location** | Secreted. |
| **Tissue Location** | At least expressed in the lung and trachea. |