

# GRO- $\beta$ /CINC-3/CXCL2

Catalog # PVGS1448

## Product Information

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<b>Primary Accession Species</b>	<a href="#">P30348</a> Rat
<b>Sequence</b>	Ser32-Asn100
<b>Purity</b>	> 95% as analyzed by SDS-PAGE
<b>Endotoxin Level Biological Activity</b>	The EC <sub>50</sub> value of Rat GRO- $\beta$ /CINC-3/CXCL2 on Ca <sup>2+</sup> mobilization assay in CHO-K1/G $\alpha$ 15/rCXCR2 cells (human G $\alpha$ 15 and rat CXCR2 stably expressed in CHO-K1 cells) is less than 10.0 ng/ml.
<b>Expression System</b>	E. coli
<b>Formulation Reconstitution</b>	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 <sub>2</sub> O or PBS up to 100 $\mu$ g/ml.
<b>Storage &amp; Stability</b>	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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<b>Gene ID</b>	114105
<b>Other Names</b>	C-X-C motif chemokine 2, Cytokine-induced neutrophil chemoattractant 3, CINC-3, Macrophage inflammatory protein 2, MIP2, Cxcl2, Cinc3, Mip-2, Mip2, Scyb2
<b>Target Background</b>	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/GRO $\alpha$ . 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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<b>Name</b>	Cxcl2
<b>Synonyms</b>	Cinc3, Mip-2, Mip2, Scyb2
<b>Function</b>	Chemotactic for human polymorphonuclear leukocytes but does not induce chemokinesis or an oxidative burst. Contributes to neutrophil activation during inflammation.
<b>Cellular Location</b>	Secreted.
<b>Tissue Location</b>	At least expressed in the lung and trachea.

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