

## Product Datasheet

# RecombinantGRO-β/CINC-3/CXCL2,Rat (orb1494851)

<b>Description</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/GROα. The GRO proteins are chemotactic for neutrophils and basophils and can activate them through their CXCR1 or CXCR2 receptors.Recombinant Rat GRO-β/CINC-3/CXCL2 produced in E.coli is a single non-glycosylated polypeptide chain containing 69 amino acids. A fully biologically active molecule, rrGRO-β has a molecular mass of 7.6kDa analyzed by reducing SDS-PAGE and is obtained by chromatographic techniques at GenScript.
<b>Endotoxins</b>	< 0.2 EU/μg, determined by LAL method.
<b>Preservatives</b>	Lyophilized after extensive dialysis against PBS.
<b>Form/Appearance</b>	Lyophilized after extensive dialysis against PBS.
<b>Storage</b>	Lyophilized recombinant Rat GRO-β/CINC-3°CXCL2 remains stable up to 6 months at -80°C from date of receipt. Upon reconstitution, Rat GRO-β/CINC-3°CXCL2 should be stable up to 1 week at 4°C or up to 3 months at -20°C.
<b>Note</b>	For research use only
<b>Application notes</b>	Reconstituted in ddH2O or PBS at 100 μg/ml.
<b>Protein Sequence</b>	SE LRCQCLTTLP RVDFKNIQSL TVTPPGPHCA QTEVIATLKD GHEVCLNPEA PLVQRIVQKI LNKGGKAN
<b>Purity</b>	> 95% as analyzed by SDS-PAGE.
<b>Source</b>	Escherichia coli.
<b>MW</b>	7.6 kDa, observed by reducing SDS-PAGE.
<b>Expiration Date</b>	6 months from date of receipt.

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