

GRO-Gamma Rat Recombinant (CXCL3), CINC-2 alpha

Item Number	rAP-0153
Synonyms	Cytokine-induced neutrophil chemoattractant 2, CINC2, CINC-2, Macrophage inflammatory protein 2-alpha.
Description	GRO-g Rat Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 69 amino acids and having a molecular mass of 7.8kDa. The CXCL3 is purified by proprietary chromatographic techniques.
Uniprot Accession Number	Q10746
Amino Acid Sequence	RELRCQCLKT LPRVDFENIQ SLTVTPPGPH CTQTEVIATL KDGQEVCLNP QAPRLQKIIQ KLLKSDKSS.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized GRO-gamma although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution CXCL3 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.
Formulation and Purity	The Rat CXCL3 lyophilized from a 0.2µm filtered concentrated solution in 1×PBS, pH 7.4. Greater than 98.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized GRO-gamma in sterile 18Mcm H ₂ O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	Determined by its ability to chemoattract 293 transfected CXCR2 cells using a concentration range of 10-100 ng/ml, corresponding to a specific activity of 10,000-100,000 units/mg.
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**