

GRO-gamma, CINC-2 beta Rat Recombinant (CXCL3)

Item Number	rAP-0154
Synonyms	Macrophage inflammatory protein 2-beta, MIP2-beta, CXCL3, Growth-regulated protein gamma, GRO-gamma, GRO-gamma (1-73), GRO3, GROg, MIP2B, SCYB3, MIP-2b, CINC-2b, MGSA gamma.
Description	GRO-g Rat Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 68 amino acids and having a total molecular mass of 7.8kDa. GRO-g is purified by proprietary chromatographic techniques.
Uniprot Accession Number	Q10746
Amino Acid Sequence	RELRCQCLKT LPRVDFENIQ SLTVTPPGPH CTQTEVIATL KDGQEVCLNP QAPRLQKIIQ KLLKSPSL.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized GRO-g although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution GRO-g 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	Lyophilized from a 0.2µm filtered concentrated (1.0mg/ml) solution in 1×PBS, pH 7.4. Greater than 97.0% as determined by (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized GRO-g in sterile 18M-cm 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 human CXCR2 transfected 293 cells using a concentration range of 10-100ng/ml.
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**