
Product Data Sheet

Product Name: GRO-g/CINC-2b Rat
 Cat. No.: GP21121
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
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.		
Amino Acid Sequence	RELRCQCLKT LPRVDFENIQ SLTVTPPGPH CTQTEVIATL KDGQEVCLNP QAPRLQKIIQ KLLKSPSL.		
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.		
Formulation	Lyophilized from a 0.2µm filtered concentrated (1.0mg/ml) solution in 16 ⁺ PBS, pH 7.4.		

Introduction

Chemokine (C-X-C motif) ligand 3 (CXCL3) is a small cytokine belonging to the CXC chemokine family that is also known as GRO3 oncogene (GRO3), GRO protein gamma (GROg) and macrophage inflammatory protein-2-beta (MIP2b). CXCL3 controls migration and adhesion of monocytes and mediates its effects on its target cell by interacting with a cell surface chemokine receptor called CXCR2. The gene for CXCL3 is located on chromosome 4 in a cluster of other CXC chemokines.

Biological Activity

Determined by its ability to chemoattract human CXCR2 transfected 293 cells using a concentration range of 10-100ng/ml.

Stability

Lyophilized GRO-g although stable at room temperature for 3 weeks, should be stored

Caution: Product has not been fully validated for medical applications. For research use only.

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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.

Background

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.

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