
Product Data Sheet

Product Name: GRO g/CINC-2a Rat
 Cat. No.: GP21120
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
Synonyms	Cytokine-induced neutrophil chemoattractant 2; CINC2; CINC-2; Macrophage inflammatory protein 2-alpha.		
Amino Acid Sequence	RELRCQCLKT LPRVDFENIQ SLTVTPPGPH CTQTEVIATL KDGQEVCLNP QAPRLQKIIQ KLLKSDKSS.		
Solubility	It is recommended to reconstitute the lyophilized GRO-gamma in sterile 18Mcm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.		
Formulation	The Rat CXCL3 lyophilized from a 0.2µm filtered concentrated 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 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.

Stability

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

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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.

Background

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.

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