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GRO-g/CINC-2b Rat

GRO-gamma, CINC-2 beta Rat Recombinant (CXCL3)
CHK0064

Product Overview

Name	GRO-g/CINC-2b Rat

Description

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

Accession (Primary)	Q10746

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.

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 it 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.

Source

Escherichia Coli.

Physical Appearance

Sterile Filtered White lyophilized (freeze-dried) powder.

Formulation

Lyophilized from a 0.2 μm filtered concentrated (1.0mg/ml) solution in 1×PBS, pH 7.4.

Stability

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.

Purity

Greater than 97.0% as determined by (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.

Amino acid sequence

RELRCQCLKT LPRVDFENIQ SLTVTPPGPH CTQTEVIATL KDGQEVCLNP QAPRLQKIIQ KLLKS PSL.

Biological Activity

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

Solubility

It is recommended to reconstitute the lyophilized GRO-g in sterile 18M-cm H 2 O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Precautions

GRO-g/CINC-2b Rat is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q10746)