

GRO g/CINC-2a Rat

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.

Catalog #: CHPS-265

For research use only.

Synonyms: Cytokine-induced neutrophil chemoattractant 2, CINC2, CINC-2, Macrophage inflammatory protein 2-alpha.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered White lyophilized (freeze-dried) powder.

Amino Acid Sequence: RELRCQCLKT LPRVDFENIQ SLVTPPGPH CTQTEVIATL
KDGQEVCLNP QAPRLQKIIQ KLLKSDKSS.

Purity: Greater than 98.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.

Formulation:

The Rat CXCL3 lyophilized from a 0.2

Stability:

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.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Solubility:

It is recommended to reconstitute the lyophilized GRO-gamma in sterile 18Mcm H₂O not less than 100

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.

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