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GRO g/CINC-2a Rat

GRO-Gamma Rat Recombinant (CXCL3), CINC-2 alpha
CHK0061

Product Overview

Name	GRO g/CINC-2a Rat
Description	
GRO-Gamma Rat Recombinant (CXCL3), CINC-2 alpha	
Accession (Primary)	Q10746
Synonyms	
Cytokine-induced neutrophil chemoattractant 2, CINC2, CINC-2, Macrophage inflammatory protein 2-alpha.	
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	
The Rat CXCL3 lyophilized from a 0.2 µm filtered concentrated solution in 1×PBS, pH 7.4.	
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.	
Purity	
Greater than 98.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.	
Amino acid sequence	
RELRCQCLKT LPRVDFENIQ SLTVTPPGPH CTQTEVIATL KDGQEVCLNP QAPRLQKIIQ KLLKSDKSS.	
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.

Solubility

It is recommended to reconstitute the lyophilized GRO-gamma in sterile 18Mcm H2O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Precautions

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

Target Information: (Q10746)