9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

GRO g Human

GRO-Gamma Human Recombinant (CXCL3)
CHK0057

Product Overview

Name	GRO g Human
Description	
GRO-Gamma Human Recombinant (CXCL3)	
Accession (Primary)	P19876
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	
The protein was lyophilized with no additives.	
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	
The sequence of the first five N-terminal amino acids was determined and was found to be Ala-Ser-Val-Val-Thr.	
Biological Activity	

The Biological activity is calculated by its ability to chemoattract CXCR2 transfected 293 cells using 10-100ng/ml corresponding to a Specific Activity of 10,000-100,000IU/mg.

Solubility

It is recommended to reconstitute the lyophilized CXCL3 in sterile 18MΩ-cm H2O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Precautions

GRO g Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P19876)