

32-1904: rGRO g/CINC-2a Recombinant Protein

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

Description

Source : Escherichia Coli. 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. 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.

Product Info

Amount : 10 µg
Purification : Greater than 98.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Content : The Rat CXCL3 lyophilized from a 0.2µm filtered concentrated solution in 1xPBS, pH 7.4.
Storage condition : 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.
Amino Acid : RELRCQCLKT LPRVDFENIQ SLTVTPPGPH CTQTEVIATL KDGQEVCLNP QAPRLQKIIQ KLLKSDKSS.

Application Note

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. 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.

