

32-1902: mGRO g Recombinant Protein

Alternative Name : C-X-C motif chemokine 3,Dendritic cell inflammatory protein 1,Cxcl3,Dcip1,Gm1960.

Description

Source : Escherichia Coli. GRO-g Mouse Recombinant produced in E.Coli is a single,non-glycosylated, polypeptide chain containing 69 amino acids and having a molecular mass of 7.7kDa. 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 97.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Content :	The Mouse 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 :	SELRCQCLNT LPRVDFETIQ SLVTPPGPH CTQTEVIATL KDGQEVCLNP QGPRLQIIIK KILKSGKSS.

Application Note

It is recommended to reconstitute the lyophilized GRO-gamma in sterile 18M-cm 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.