Recombinant Mouse GRO gamma (CXCL3)

Cat No:HR2R2135

For research use only

Overview

Quantity	200 ?g
Gene Symbol	CXCL3
Gene ID	330122
Accession	Q6W5C0
Alternative Name	C-X-C motif chemokine 3, Dendritic cell inflammatory protein 1, Dcip1, Gm1960 Recombinant Mouse Growth-Regulated Oncogene Gamma (CXCL3)
Species	Mouse
Source	E. coli
Description	Growth regulated oncogene- gamma belongs to the family of chemotyctic cytokines called chemokines. It is identical with MGSA (melanoma growth stimulatory activity) and the new designation is CXCL3. This factor is known mainly because of its chemotactic activity. GRO expression is inducible by serum or PDGF and/or by a variety of inflammatory mediators, such as IL-1 and TNF, in monocytes, fibroblasts, melanocytes and epithelial cells. In certain tumor cell lines, GRO is expressed constitutively. Similar to other alpha chemokines, the three GRO proteins are potent neutrophil attractants and activators. In addition, these chemokines are also active toward basophils. All three GROs can bind with high affinity to the IL-8 receptor type B.
Functions	Determined by its ability to chemoattract 293 transfected CXCR2 cells using a concentration range of 10.0-100 ng/mL.
Formulation	Lyophilized from a 0.2 ?m filtered solution in Phosphate and NaCl
Solubility	A quick spin of the vial followed by reconstitution in distilled water to a concentration not less than 0.1 mg/mL. This solution can then be diluted into other buffers.
Appearance	Lyophilized Powder
Molecular Weight	8
Purity	>95% as determined by SDS-PAGE
Concentration	<1.0 EU/?g of recombinant protein as determined by the LAL method
Shipping Condition	Ambient Temperature
Storage Condition	The lyophilized protein is stable for at least one year from date of receipt at -70?C. Upon reconstitution, this cytokine can be stored in working aliquots at 2? - 8?C for one month, or at -20?C for six months, with a carrier protein without detectable loss of activity. Avoid repeated freeze/thaw cycles.