

Recombinant Mouse CXCL1

Cat No:HR2R2093

For research use only

Overview

Quantity	1.0 ?g
Gene Symbol	CXCL1
Gene ID	14825
Accession	P12850
Alternative Name	C-X-C motif chemokine 1, Platelet-derived growth factor-inducible protein KC, Secretory protein N51, Gro, Gro1, Mgsa, Scyb1, Cxcl1 Recombinant Mouse Growth-Regulated Alpha Protein (CXCL1)
Species	Mouse
Source	E. coli
Description	Growth regulated oncogene-alpha belongs to the family of chemotytic cytokines called chemokines. It is identical with MGSA (melanoma growth stimulatory activity)and the new designation is CXCL1. 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 the ability to chemoattract human neutrophils using a concentration range of 10-50 ng/mL.
Formulation	Recombinant mouse GRO-alpha/CXCL1 was lyophilized from a 0.2 ?m filtered PBS pH 7.4.
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.