

Recombinant Mouse Chemokine (C-X-C motif) ligand 1, His-tagged

Cat. No. Cxcl1-377M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse Cxcl1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques
Species	Mouse
Source	E.coli
Description	Cxcl1, also known as GROA or GRO-alpha, is a growth factor for melanoma cells and a chemotxin for neutrophils. Similar to other alpha chemokines, this protein is a potent neutrophil attractant and activator and is also active toward basophils. In addition, Cxcl1 protein may be a therapeutic target as well as a diagnostic marker in ovarian cancer.
Form	Liquid. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol 0.1M NaCl.
Molecular Weight	10.5 kDa(97aa), confirmed by MALDI-TOF.
Purity	> 90% by SDS-PAGE.
Concentration	0.5mg/ml (determined by Bradford assay).
Sequences of amino acids	MGSSHHHHHSSGLVPRGSH MGSHMAPIAN ELRCQCLQTM AGIHLKNIQS LKVLPSGPHC TQTEVIATLK NGREACLDPEAPLVQKIVQK MLKGVPK

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Storage	Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
Official Symbol	Cxcl1
GENE INFORMATION	
Gene Name	Cxcl1 chemokine (C-X-C motif) ligand 1 [<i>Mus musculus</i>]
Synonyms	Cxcl1; chemokine(C-X-C motif) ligand 1; KC; Fsp; N51; gro; Gro1; Mgsa; Scyb1; growth-regulated alpha protein; KC/GR-alpha; KC/GRO-alpha; GRO1 oncogene; secretory protein N51; C-X-C motif chemokine 1; platelet-derived growth factor-inducible protein KC
Gene ID	14825
mRNA Refseq	NM_008176
Protein Refseq	NP_032202
UniProt ID	P12850
Chromosome Location	5 E-F; 5 51.0 cM
Pathway	Chemokine receptors bind chemokines; Chemokine signaling pathway; Class A/1 (Rhodopsin-like receptors); Cytokine-cytokine receptor interaction; Cytokines and Inflammatory Response (BioCarta); G alpha (i) signalling events; GPCR downstream signaling; GPCR ligand binding; Legionellosis; Legionellosis; NOD-like receptor signaling pathway; Peptide ligand-binding receptors; Salmonella infection; Signal Transduction; Signaling by GPCR

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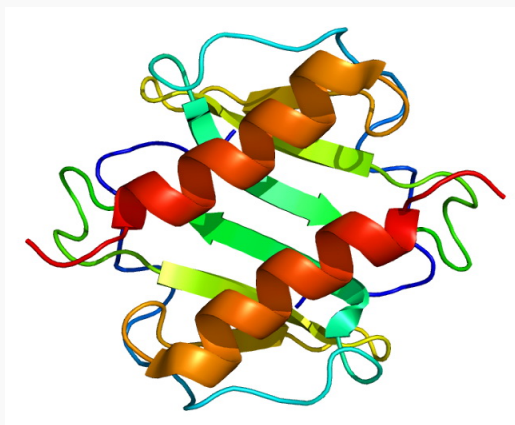
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Function

chemokine activity;cytokine activity; growth factor activity

PDB rendering
basedon 1mgs.



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