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 Cxcl1protein, fused to His-tag at N-terminus, was expressed in E.coli and purifiedby using conventional chromatography techniques
Species	Mouse
Source	E.coli
Description	Cxcl1, also known asGROA or GRO-alpha, is a growth factor for melanoma cells and a chemotaxin forneutrophils. Similar to other alpha chemokines, this protein is potentneutrophil attractant and activator and is also active toward basophils. Inaddition, Cxcl1 protein may be a therapeutic target as well as a diagnosticmarker in ovarian cancer.
Form	Liquid. 20mMTris-HCl buffer (pH 8.0) containing 10% glycerol 0.1M NaCl.
Molecular Weight	10.5 kDa(97aa), confirmedby MALDI-TOF.
Purity	> 90% by SDS -PAGE.
Concentration	0.5mg/ml (determinedby Bradford assay).
Sequences of aminoacids	MGSSHHHHHHSSGLVPRGSH 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.
OfficialSymbol	Cxcl1

GENE INFORMATION

Gene Name	Cxcl1 chemokine (C-X-C motif)ligand 1 [Mus musculus]
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; secretoryprotein N51; C-X-C motif chemokine 1; platelet-derived growth; factor-inducibleprotein 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 receptorsbind chemokines; Chemokine signaling pathway; Class A/1 (Rhodopsin-likereceptors); Cytokine-cytokine receptor interaction; Cytokines andInflammatory Response (BioCarta); G alpha (i) signalling events; GPCRdownstream 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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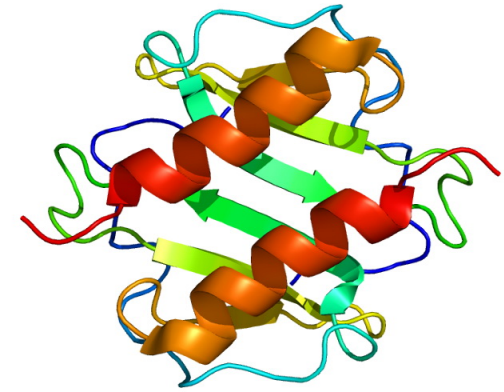
Function	chemokine activity;cytokine activity; growth factor activity
PDB rendering basedon 1mgs.	

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