

Active Recombinant Mouse Cxcl1 Protein

Cat. No. Cxcl1-271C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Cxcl1 Protein without tag was expressed in CHO.
Species	Mouse
Source	CHO
Description	Growth-regulated Alpha Protein (GRO), also known as CXCL-1, GRO1, MGSA and SCYB1, is a chemokine belonging to the intercrine alpha (Chemokine CXC) family. It is expressed mainly by macrophages, neutrophils and epithelial cells. GRO signals through chemokine receptor CXCR1 and CXCR2, and functions to chemoattract and activate neutrophils and basophils. It is also a hematoregulatory chemokine, which suppresses hematopoietic progenitor cell proliferation. GRO has also been reported to play a role in spinal cord development, angiogenesis, wound healing and tumorigenesis.
Form	Sterile Filtered White lyophilized (freeze-dried) powder.
Bio-activity	Active at 10 ng/mL, measured in a tube formation assay using HUVEC cells.
Molecular Mass	5-7 kDa, observed by reducing SDS-PAGE.
AA Sequence	APIANELRCQCLQTMAGIHLKNIQSLKVLPSGPHCTQTEVIATLKNGREACLDPEAPL VQKIVQKMLKGVPK
Endotoxin	< 0.2 EU/μg, determined by LAL method.

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Purity	> 95% as analyzed by SDS-PAGE and HPLC.
Storage	Lyophilized recombinant Mouse GRO remains stable up to 6 months at -80 centigrade from date of receipt. Upon reconstitution, Mouse GRO should be stable up to 1 week at 4 centigrade or up to 2 months at -20 centigrade.
Storage Buffer	Lyophilized after extensive dialysis against PBS.
Reconstitution	Reconstituted in ddH ₂ O or PBS at 100 µg/mL.

GENE INFORMATION

Gene Name	Cxcl1 chemokine (C-X-C motif) ligand 1 [<i>Mus musculus</i>]
Official Symbol	Cxcl1
Synonyms	CXCL1; chemokine (C-X-C motif) ligand 1; 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; KC; Fsp; N51; gro; Gro1; Mgsa; Scyb1;
Gene ID	14825
mRNA Refseq	NM_008176
Protein Refseq	NP_032202
UniProt ID	P12850

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