

Active Recombinant Human CXCL1 Protein

Cat. No. CXCL1-272C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CXCL1 Protein without tag was expressed in CHO.
Species	Human
Source	CHO
Description	GRO/MGSA/CXCL1 has chemotactic activity for neutrophils. It may play a role in inflammation and exerts its effects on endothelial cells in an autocrine fashion. All three isoforms of GRO are CXC chemokines that can signal through the CXCR1 or CXCR2 receptors. 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.
Form	Sterile Filtered White lyophilized (freeze-dried) powder.
Bio-activity	Active, measured in a functional assay using HUVEC cells.
Molecular Mass	~7.8 kDa, observed by reducing SDS-PAGE.
AA Sequence	ASVATELRCQCLQTLQGIHPKNIQSVNVKSPGPHCAQTEVIATLKNRKA CLNPASPI VKKIIEKMLNSDKSN
Endotoxin	< 0.2 EU/μg, determined by LAL method.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Purity	> 95% as analyzed by SDS-PAGE.
Storage	Lyophilized recombinant Human GRO/MGSA/CXCL1 remains stable up to 6 months at -80 centigrade from date of receipt. Upon reconstitution, Human GRO/MGSA/CXCL1 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 (melanoma growth stimulating activity, alpha) [Homo sapiens]
Official Symbol	CXCL1
Synonyms	CXCL1; chemokine (C-X-C motif) ligand 1 (melanoma growth stimulating activity, alpha); fibroblast secretory protein, FSP; GRO1, GRO1 oncogene (melanoma growth stimulating activity, alpha), MGSA; growth-regulated alpha protein; GROα; MGSA α; NAP 3; SCYB1; MGSA alpha; GRO-alpha(1-73); C-X-C motif chemokine 1; fibroblast secretory protein; neutrophil-activating protein 3; melanoma growth stimulatory activity alpha; GRO1 oncogene (melanoma growth-stimulating activity); GRO1 oncogene (melanoma growth stimulating activity, alpha); FSP; GRO1; MGSA; NAP-3; MGSA-α;
Gene ID	2919
mRNA Refseq	NM_001511

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Protein Refseq	NP_001502
MIM	155730
UniProt ID	P09341

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA