

Recombinant Human Chemokine (C-X-C motif) Ligand 1 / Growth-regulated Alpha Protein, His-tagged

Cat. No. CXCL1-62H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human CXCL1 protein was expressed in E.coli and purified by using conventional chromatography techniques, 10.1 kDa (94 aa).
Species	Human
Source	E.coli
Description	CXCL1/GROα is a growth factor for melanoma cells and a chemotaxin for neutrophils. Similar to other alpha chemokines, this protein is 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.
Sequences of amino acids	MGSSHHHHHH SSGLVPRGSH MASVATELRQ QCLQTLQGIH PKNIQSVNVK SPGPHCAQTE VIATLKNRGR ACLNPASPIV KKIIEKMLNS DKSN
Formulation	Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol.
Purity	> 90% by SDS - PAGE
Concentration	1 mg/ml (determined by Bradford assay)
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.

 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

GENE INFORMATION

Gene Name	CXCL1 chemokine (C-X-C motif) ligand 1 (melanoma growth stimulating activity, alpha) [Homo sapiens]
Synonyms	FSP; GRO; GRO-alpha(1-73); GRO1; GROA; MGSA; MGSA-a; NAP-3; SCYB1; C-X-C motif chemokine 1; GRO1 oncogene (melanoma growth stimulating activity, alpha) ; GRO1 oncogene (melanoma growth-stimulating activity) ; MGSA alpha; Melanoma growth stimulatory activity; Neutrophil-activating protein 3; chemokine (C-X-C motif) ligand 1; chemokine (C-X-C motif) ligand 1 (melanoma growth stimulating activity, alpha); fibroblast secretory protein; melanoma growth stimulatory activity alpha; CXCL1; Growth-regulated alpha protein
Gene ID	2919
mRNA Refseq	NM_001511
Protein Refseq	NP_001502
MIM	155730
UniProt ID	P09341
Chromosome Location	4q21
Pathway	Cytokine-cytokine receptor interaction; Epithelial cell signaling in Helicobacter pylori infection; Signaling by GPCR
Function	chemokine activity; enzyme activator activity; growth factor activity

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