

## Active Recombinant Human CXCL1 protein

**Cat. No.** CXCL1-14H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Active Recombinant Human CXCL1 protein(P09341-1) (Ala35-Asn107) was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E. coli
<b>ProteinLength</b>	35-107 aa
<b>Form</b>	Lyophilized from a 0.2 µ filtered concentrated solution in 20 mM PB, pH 7.4, 150 mM NaCl.
<b>Bio-activity</b>	Fully biologically active when compared to standard. The biological activity determined by a chemotaxis bioassay using human peripheral blood neutrophils is in a concentration range of 10-50 ng/ml.
<b>Molecular Mass</b>	Apximately 7.9 kDa, a single non-glycosylated polypeptide chain containing 73 amino acids.
<b>AASequence</b>	ASVATELRCQ CLQTLQGIHP KNIQSVNVKS PGPHCAQTEV IATLKNGRKA CLNPASPIVK KIIKMLNSD KSN
<b>Endotoxin</b>	Less than 1 EU/g of rHuGRO-α/CXCL1 as determined by LAL method.
<b>Purity</b>	> 97 % by SDS-PAGE and HPLC analyses.

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<b>Storage</b>	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. - 12 months from date of receipt, -20 to -70 °C as supplied. - 1 month, 2 to 8 °C under sterile conditions after reconstitution. - 3 months, -20 to -70 °C under sterile conditions after reconstitution.
<b>Reconstitution</b>	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.
<b>protein Refseq-Weblink</b>	<a href="http://www.ncbi.nlm.nih.gov/protein/NP_001502.1">http://www.ncbi.nlm.nih.gov/protein/NP_001502.1</a>
<b>Unit ID</b>	P09341
<b>Unit ID-Weblink</b>	<a href="http://www.uniprot.org/uniprot/P09341">http://www.uniprot.org/uniprot/P09341</a>

## GENE INFORMATION

<b>Gene Name</b>	CXCL1 chemokine (C-X-C motif) ligand 1 (melanoma growth stimulating activity, alpha) [ Homo sapiens ]
<b>Official Symbol</b>	CXCL1
<b>Synonyms</b>	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; GROa; MGSA a; 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-a;

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<b>Gene ID</b>	2919
<b>mRNA Refseq</b>	NM_001511
<b>protein Refseq</b>	NP_001502
<b>MIM</b>	155730

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