

# Recombinant Human X-C motif chemokine ligand 1 Protein, Tag Free

**Cat. No.** CXCL1-206H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant human CXCL1 protein (P09341) (Ala 35-Asn 107) without tag was expressed in HEK293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	35-107aa
<b>Description</b>	<p>This antimicrobial gene encodes a member of the CXC subfamily of chemokines. The encoded protein is a secreted growth factor that signals through the G-protein coupled receptor, CXC receptor 2. This protein plays a role in inflammation and as a chemoattractant for neutrophils. Aberrant expression of this protein is associated with the growth and progression of certain tumors. A naturally occurring processed form of this protein has increased chemotactic activity. Alternate splicing results in coding and non-coding variants of this gene. A pseudogene of this gene is found on chromosome 4. Has chemotactic activity for neutrophils. May play a role in inflammation and exerts its effects on endothelial cells in an autocrine fashion. In vitro, the processed forms GRO-alpha (4-73), GRO-alpha (5-73) and GRO-alpha (6-73) show a 30-fold higher chemotactic activity.</p>
<b>Tag</b>	Non
<b>Molecular Mass</b>	8.2 kDa

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<b>Endotoxin</b>	Less than 1.0 EU/μg by the LAL method.
<b>Purity</b>	>95% as determined by SDS-PAGE.
<b>Storage</b>	Please avoid repeated freeze-thaw cycles. Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade. It is recommended that aliquot the reconstituted solution to minimize freeze-thaw cycles.
<b>Storage Buffer</b>	Lyophilized from a 0.2 μm filtered solution of PBS, pH7.4, 5% Trehalose, 5% mannitol.
<b>Reconstitution</b>	Reconstitute at 250 μg/mL in sterile water.

## GENE INFORMATION

<b>Gene Name</b>	CXCL1 C-X-C motif chemokine ligand 1 [ Homo sapiens (human) ]
<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;
<b>Gene ID</b>	2919
<b>mRNA Refseq</b>	NM_001511

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**Protein Refseq** NP\_001502

**MIM** 155730

**UniProt ID** P09341

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