

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

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

SPECIFICATION

Product Overview	Recombinant human CXCL1 protein (P09341) (Ala 35-Asn 107) without tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	35-107aa
Description	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.
Tag	Non
Molecular Mass	8.2 kDa

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Endotoxin	Less than 1.0 EU/μg by the LAL method.
Purity	>95% as determined by SDS-PAGE.
Storage	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.
Storage Buffer	Lyophilized from a 0.2 μm filtered solution of PBS, pH7.4, 5% Trehalose, 5% mannitol.
Reconstitution	Reconstitute at 250 μg/mL in sterile water.

GENE INFORMATION

Gene Name	CXCL1 C-X-C motif chemokine ligand 1 [Homo sapiens (human)]
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

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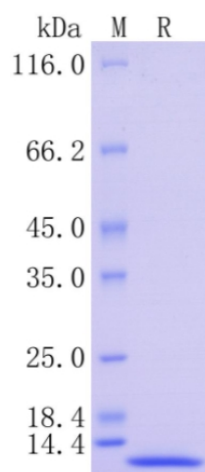
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Protein Refseq NP_001502

MIM 155730

UniProt ID P09341

Protein on SDS-PAGE under reducing (R) condition.



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