

Recombinant Human CXCL1 Protein, Fc-tagged

Cat. No. CXCL1-11063H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CXCL1, Fc Tag is expressed from human 293 cells (HEK293). It contains AA Ala 35 - Asn 107 (Accession # P09341). This protein carries a human IgG1 Fc tag at the C-terminus. Predicted N-terminus: Ala 35
Species	Human
Source	HEK293
ProteinLength	35-107 aa
Description	Chemokine (C-X-C motif) ligand 1 (CXCL1) is a small molecule of cytokines belonging to the CXC chemokine family. Also known as growth-regulated oncogene alpha (Growth-regulated oncogene alpha, GROα). It's also known as keratinocytes-derived chemokine (KC) in mice or cytokine-induced neutrophil chemoattractant type-1 (CINC-1) in rats. In humans, this protein is encoded by the gene Cxcl1 and is located on human chromosome 4 among genes for other CXC chemokines. The chemokine CXCL1 is expressed by macrophages, neutrophils and epithelial cells. The chemokine CXCL1 has a chemotactic effect on neutrophils. CXCL1 binds to the chemokine receptor CXCR2 and plays a role in cell chemotaxis. Human CXCL1 is clustered on chromosome 4 adjacent to many CXC chemokine genes. Major roles of CXCL1 include neovascularization, inflammation, wound healing, and tumorigenesis
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.
Molecular Mass	The protein has a calculated MW of 34.3 kDa. The protein migrates as 37-43 kDa

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	under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 1.0 EU/μg by the LAL method/rFC method.
Purity	>95% as determined by SDS-PAGE. >95% as determined by SEC-MALS.
Storage	This product is stable after storage at: -20 to -70 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution. For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower. Please avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 μg/μL. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.

GENE INFORMATION

Gene Name	CXCL1 chemokine (C-X-C motif) ligand 1 (melanoma growth stimulating activity, alpha) [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;

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Gene ID	2919
mRNA Refseq	NM_001511
Protein Refseq	NP_001502
MIM	155730
UniProt ID	P09341

SDS-PAGE.

