

Human CXCL1, His Tag, E. coli

Catalog Number	LDG153PHE
Package	5 µg / 20 µg / 100 µg / Customized package

For full product information, images and publications, please visit [our website](#).



Specifications

Species of Origin

Human

Expression System

Escherichia coli

Affinity Tag

His Tag (N-term)

Storage Buffer

Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.

Purity

>98% as determined by SDS-PAGE analysis.

Molecular weight

The protein has a calculated MW of 8.67 kDa. The protein migrates as 10 kDa under reducing condition (SDS-PAGE analysis).

Activity

Measure by its ability to chemoattract human THP1 cells using a concentration range of 10-100 ng/mL.

Endotoxin Level

<0.1 EU per 1 µg of the protein by the LAL method.

Form

Lyophilized

Background

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Background

C-X-C motif chemokine 1 (CXCL1) also named Growth-regulated oncogene alpha (GRO α), which is a chemokine of the intercrine alpha family. CXCL1 is a 7.9 kDa protein containing 73 amino acid residues. CXCL1 is expressed in immune cells such as macrophage and neutrophils. CXCL1 plays an important role with immune responses and cancer progression. CXCL1 activates the cell signal transduction with caspas1 that affect the cell proliferation, differentiation and migration.

Uniprot ID

P09341 1

Synonyms

Growth-regulated alpha protein, C-X-C motif chemokine 1, GRO-alpha, 1-73, Melanoma growth stimulatory activity, MGSA, Neutrophil-activating protein 3, NAP-3, 4-73, 5-73, 6-73

Sequence Note

Ala35-Asn107

Instruction

Reconstitution

It is recommended to reconstitute the lyophilized protein in sterile H₂O to a concentration not less than 200 μ g/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

Stability & Storage

This product is stable after storage at:

- -20°C for 12 months in lyophilized state from date of receipt.
- -20°C or -80°C for 1 month under sterile conditions after reconstitution.

Avoid repeated freeze/thaw cycles.

Shipping

The product is shipped with polar packs. Upon receipt, store it immediately at -20°C or lower for long term storage.

Image

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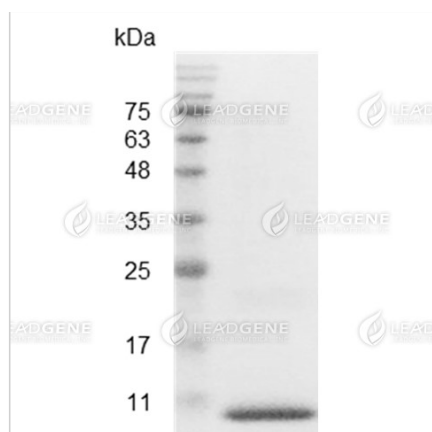
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SDS-PAGE analysis of recombinant human CXCL1.

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