

## 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

#### Affinity Tag

His Tag (N-term)

#### Purity

>98% as determined by SDS-PAGE analysis.

#### Activity

Measure by its ability to chemoattract BaF3 cells transfected with human CXCR2. The ED<sub>50</sub> for this effect is <3 ng/mL.

#### Form

Lyophilized

#### Expression system

Escherichia coli

#### Buffer

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

#### Molecular weight

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

#### Endotoxin level

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

### Background

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### Background

C-X-C motif chemokine 1 (CXCL1) also named Growth-regulated oncogene alpha (GRO $\alpha$ ), 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 casepas1 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 H<sub>2</sub>O to a concentration not less than 200  $\mu$ 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

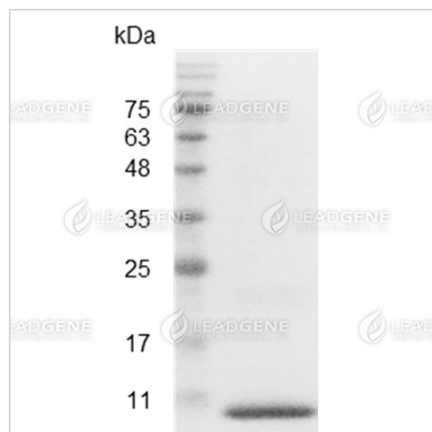
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SDS-PAGE analysis of  
recombinant human CXCL1.

**Disclaimer :** For Research Use or Further Manufacturing Only.

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