

## Human recombinant CXCL3 (C-X-C motif chemokine 3) protein, AF

Catalog Number: PROTP19876-4

### Overview

Product Name	Human recombinant CXCL3 (C-X-C motif chemokine 3) protein, AF
Description	C-X-C motif chemokine 3 (CXCL3) also named Growth-regulated oncogene gamma (GROgamma), which is a chemokine of the intercrine alpha family. CXCL3 is a 8kDa protein containing 73 amino acid residues. During inflammation, CXCL3 is activated by the TNF and IL-1 which mediates the monocytes migration and adhesion by targeting the CXCR2. CXCL3 activates the JNK activity which induce the cell differentiation.
Size	5ug,20ug,100ug
Tag	His Tag (N-term)
Form	Lyophilized
Source	Escherichia coli
Formulation	The protein was lyophilized from a 0.2 um filtered solution containing 1X PBS, pH 7.4. If you have any concerns or special requirements, please confirm with us.

### Storage

Lyophilized protein should be stored at -20°C for 1 year. Upon reconstitution, store at 2°C to 8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1% BSA, 10%FBS, 5%HSA or 5% trehalose solution), protein aliquots should be stored at -20°C or -80°C for 3-6 months. Avoid repeated freeze/thaw cycles.

### Purity

>98% as determined by SDS-PAGE.

### Molecular weight

The protein has a calculated MW of 8.67 kDa. The protein migrates as 11 kDa under reducing condition (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 <2 ng/mL.

### Endotoxin

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

### **Amino Acid Sequence**

ASVVTELRQCQLQLQGIHLKNIQSVNVRSPGPHCAQTEVIATLKNKGKACLNPASPMVQKIIEKILNKGSTN with polyhistidine tag at the N-terminus.

### **Reconstitution**

Centrifuge at 3000 rpm for 5 mins before opening. It is recommended to reconstitute the lyophilized protein in sterile H<sub>2</sub>O to a concentration not less than 100 ug/mL and incubate the stock solution at room temperature for at least 20 mins to ensure sufficient re-dissolved. Do Not Vortex!

Vigorous shaking may impair the biological activity of the protein.

## Usage

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