

# Recombinant Human CXCL3/GRO-gamma/MIP2-beta Protein

Catalog No.: RP01403 Recombinant

## **Sequence Information**

**Species Gene ID Swiss Prot** Human 2921 P19876

**Tags** No tag

**Synonyms** 

CXCL3;CINC-2b;GRO3;GROg;MIP-2b;MIP2 B;SCYB3

## **Product Information**

**Source** Purification *E. coli* ≥ 85 % as

determined by SDS-

PAGE.

Calculated MW Observed MW

7.87 kDa 11-12 kDa

Endotoxin

< 1 EU/µg of the protein by LAL method.

#### **Formulation**

Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.

## Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

## **Contact**

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## **Background**

CXCL3 is involved in migration, invasion, proliferation and tubule formation of trophoblasts and may play a key role in the pathogenesis of preeclampsia. CXCL3 autocrine/paracrine pathways are involved in the development of prostate cancer by regulating the expression of the target genes that are related to the progression of malignancies. CXCL3 is a novel adipokine that facilitates adipogenesis in an autocrine and/or a paracrine manner through induction of c/ebpb and c/ebpd. CXCL3 and its receptor CXCR2 are overexpressed in prostate cancer cells, prostate epithelial cells and prostate cancer tissues, which may play multiple roles in prostate cancer progression and metastasis.

### **Basic Information**

## **Description**

Recombinant Human CXCL3/GRO-gamma/MIP2-beta Protein is produced by *E. coli* expression system. The target protein is expressed with sequence (Ala35-Asn107) of human CXCL3/GRO gamma (Accession #NP\_002081.2) fused with no additional amino acid.

## **Bio-Activity**

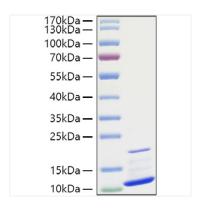
#### Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

## **Validation Data**



Recombinant Human CXCL3/GROgamma/MIP2-beta Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.