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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;MIP2B;SCYB3

Product Information

Source
E. coli

Purification
> 85% by SDS-PAGE.

Endotoxin
<1EU/μg

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.

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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.

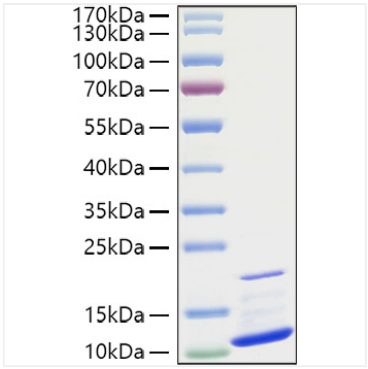
Basic Information

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℃.Store the lyophilized protein at -20℃ to -80 ℃ up to 1 year from the date of receipt.
After reconstitution, the protein solution is stable at -20℃ for 3 months, at 2-8℃ for up to 1 week.
Avoid repeated freeze/thaw cycles.

Validation Data



Recombinant Human CXCL3/GRO-gamma/MIP2-beta Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 11-12kDa.