

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

Catalog No.: RP01403

Sequence Information

Species **Gene ID**
 Human 2921

Swiss Prot **Tags**
 P19876 No tag

Synonyms

CXCL3, CINC-2b, GRO3, GROg, MIP-2b, MIP2B, SCYB3

Product Information

Source **Purification**
E. coli ≥ 85 % as determined by SDS-PAGE.

Calculated MW **Observed MW**
 7.87 kDa 10-15 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 stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

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.

Activity

Shipping

Lyophilized proteins are shipped at ambient temperature.
 Liquid proteins are shipped at frozen temperature with dry ice.
 Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

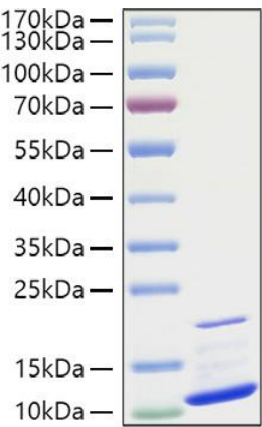
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Validation Data



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