

Recombinant Human CXCL1/GRO-alpha Protein

Catalog No.: RP01651 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	2919	P09341-1

Tags
NO-tag

Synonyms
FSP; GRO1; GROa; MGSA; NAP-3; SCYB1;
MGSA-a; CXCL1

Product Information

Source	Purification
<i>Pichia</i>	> 95% by SDS-PAGE.

Endotoxin
<0.1EU/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 stabilizer (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

Has chemotactic activity for neutrophils. May play a role in inflammation and exerts its effects on endothelial cells in an autocrine fashion. In vitro, the processed forms GRO-alpha(4-73), GRO-alpha(5-73) and GRO-alpha(6-73) show a 30-fold higher chemotactic activity.

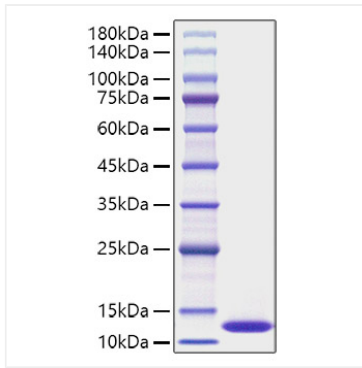
Basic Information

Description
Recombinant Human CXCL1/GRO-alpha Protein is produced by *Pichia* expression system. The target protein is expressed with sequence (Ala35-Asn107) of human CXCL1/GRO-alpha (Accession #NP_001502.1) fused with no additional amino acid.

Bio-Activity

Storage
Store the lyophilized protein at -20°C to -80°C for 12 months. 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 CXCL1/GRO-alpha Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 8 kDa.