Recombinant Human CXCL1/GRO-alpha Protein

Catalog No.: RP01651

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Sequence Information

Species
Human

Gene ID
2919

Swiss Prot
P09341-1

Tags
NO-tag

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

Product Information

Source
Pichia

Purification
≥ 95 % as determined by SDS-PAGE.

Calculated MW
7.87 kDa

Observed MW
10-15 kDa

Endotoxin
< 0.1 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.

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.

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℃

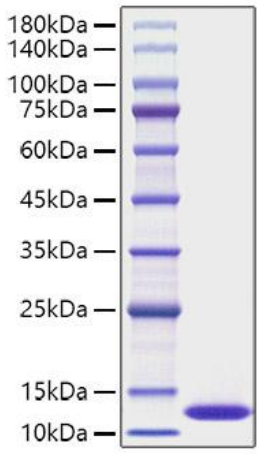
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

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Validation Data



Recombinant Human CXCL1/GRO-alpha Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.