

Recombinant Human CXCL1/GRO-alpha Protein

Catalog No.: RP01623 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	2919	P09341

Tags

C-hFc

Synonyms

CXCL1;FSP;GRO1;GRO α ;MGSA;MGSA-a;NAP-3;SCYB1;GRO α

Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE.

Calculated MW	Observed MW
33.82 kDa	43 kDa

Endotoxin

<0.1EU/ μ g


Formulation

Lyophilized from a 0.22 μ m 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

This antimicrobial protein belongs a member of the CXC subfamily of chemokines. The encoded protein is a secreted growth factor that signals through the G-protein coupled receptor, CXC receptor 2. This protein plays a role in inflammation and as a chemoattractant for neutrophils. Aberrant expression of this protein is associated with the growth and progression of certain tumors. A naturally occurring processed form of this protein has increased chemotactic activity. Alternate splicing results in coding and non-coding variants of this gene. A pseudogene of this gene is found on chromosome 4.

Basic Information

Description

Recombinant Human CXCL1/GRO-alpha Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Ala35-Asn107) of human CXCL1/GRO-alpha (Accession #NP_001502.1) fused with and a hFc tag at the C-terminus.

Bio-Activity

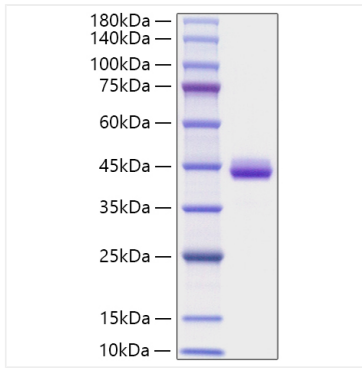
Storage

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 CXCL1/GRO-alpha Protein was determined by SDS-PAGE with Coomassie Blue, showing bands at 43 kDa.