Recombinant Human CXCL1/GRO-alpha Protein

Catalog No.: RP01623

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Sequence Information

Species
Human

Gene ID
2919

Swiss Prot
P09341

Tags
C-hFC-6His

Synonyms
CXCL1,FSP,GRO1,GROa,MGSA, MGSA-a,NAP-3,SCYB1,GRO alpha

Product Information

Source
HEK293 cells

Purification
≥ 95 % as determined by SDS-PAGE.

Calculated MW
33.82 kDa

Observed MW
40-45 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

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 expression system. The target protein is expressed with sequence (Ala35-Asn107) fused with hFC-6His tag at the C-terminus.

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℃

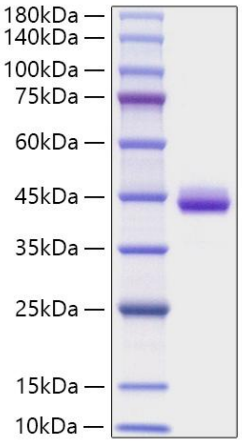
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

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Validation Data



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