

Recombinant Mouse CXCL1/GRO- α Protein

Catalog No.: RP01615

Sequence Information

Species **Gene ID**
Mouse 14825

Swiss Prot **Tags**
P12850 No tag

Synonyms

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

Product Information

Source **Purification**
Pichia $\geq 95\%$ as determined by SDS-PAGE.

Calculated MW **Observed MW**
9.31 kDa 10–15 kDa

Endotoxin

< 0.1 EU/ μ g of the protein by LAL method.

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.

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 Mouse CXCL1/GRO- α Protein is produced by *Pichia* expression system. The target protein is expressed with sequence (Arg20–Lys96) of mouse CXCL1/GRO- α (Accession #NP_032202.1) fused with no additional amino acid.

Activity

Measured by its binding ability in a functional ELISA. Immobilized Mouse CXCL1 at 2 μ g/mL (100 μ L/well) can bind GRO α Rabbit pAb with a linear range of 0.6–2.37 ng/mL.

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.

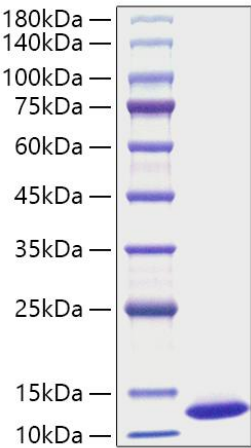
Contact

 | 400-999-6126

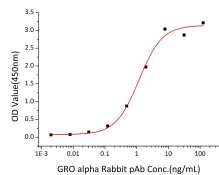
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Validation Data



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



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