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# Recombinant mouse GRO alpha/CXCL1 protein

Catalog Number: ATGP1525

#### PRODUCT INFORMATION

### **Expression system**

E.coli

#### **Domain**

25-96aa

#### **UniProt No.**

P12850

#### **NCBI Accession No.**

NP 032202

#### **Alternative Names**

C-X-C motif chemokine ligand 1, Growth-regulated alpha protein, Platelet-derived growth factor-inducible protein KC, Secretory protein N51, Fsp, Gro1, KC, KC/GRO-alpha, Mgsa, N51, Scyb1

## PRODUCT SPECIFICATION

# **Molecular Weight**

10.5 kDa (97aa) confirmed by MALDI-TOF

## Concentration

0.5mg/ml (determined by Bradford assay)

#### **Formulation**

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol 0.1M NaCl,

#### **Purity**

> 90% by SDS-PAGE

#### Tag

His-Tag

# **Application**

SDS-PAGE

### **Storage Condition**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## **BACKGROUND**

# **Description**

CXCL1, also known as GROA or GRO-alpha, is a growth factor for melanoma cells and a chemotaxin for neutrophils. Similar to other alpha chemokines, this protein is potent neutrophil attractant and activator and is also active toward basophils. In addition, CXCL1 protein may be a therapeutic target as well as a diagnostic marker in ovarian cancer. Recombinant mouse CXCL1 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques



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# **Amino acid Sequence**

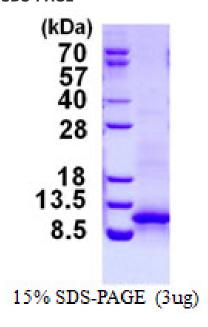
MGSSHHHHHH SSGLVPRGSH MGSHMAPIAN ELRCQCLQTM AGIHLKNIQS LKVLPSGPHC TQTEVIATLK NGREACLDPE APLVQKIVQK MLKGVPK

## **General References**

Sun,D.. et al. .(2011) Nat. Immunol. 12 (9), 853-860 Oka,M., et al. (2011) Lab. Invest. 91 (5), 711-718

## **DATA**

#### **SDS-PAGE**



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

