

# Recombinant human GRO gamma/CXCL3 protein

Catalog Number: CXC0902

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

35-107aa

### UniProt No.

P19876

### NCBI Accession No.

NP\_002081

### Alternative Names

C-X-C motif chemokine ligand 3, C-X-C motif chemokine 3, GRO-gamma 1-73, Growth-regulated protein gamma, GRO-gamma, Macrophage inflammatory protein 2-beta, MIP2-beta, GRO3, GROG, SCYB3, GRO3 oncogene, CINC-2b

## PRODUCT SPECIFICATION

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### Molecular Weight

10.1 kDa (94aa) confirmed by MALDI-TOF

### Concentration

0.5mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 20% glycerol

### Purity

> 95% by SDS-PAGE

### Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

### 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

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### Description

CXCL3/GROg is a small cytokine belonging to the CXC chemokine family. CXCL3 controls migration and adhesion of monocytes and mediates its effects on its target cell by interacting with a cell surface chemokine receptor

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called CXCR2. Recombinant human CXCL3 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

### Amino acid Sequence

MGSSHHHHHH SGLVPRGSH MASVVTTELRC QCLQTLQGIH LKNIQSVNVR SPGPHCAQTE VIATLKNGKK ACLNPASPMV QKII EKILNK GSTN

### General References

Bieche I., et al. (2007). *Endocr Relat Canter.* 14(4):1039-52

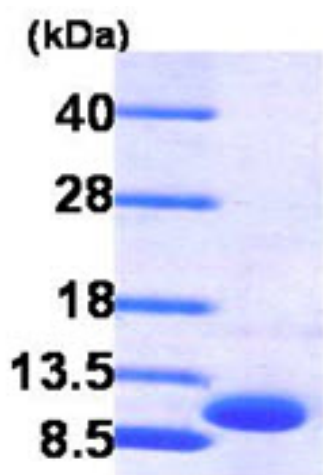
Rainard P., et al. (2008). *Mol Immunol.* 45(15):4020-7

Furuichi., et al. (2008). *Front biosci.* 13:4021-8

## DATA

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### SDS-PAGE



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

15% SDS-PAGE (3ug)