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## Recombinant human GRO gamma/CXCL3 protein

Catalog Number: CXC0902

#### PRODUCT INFORMATION

## **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**

### **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**

## **Description**

CXCL3/GROg is a small cytokine belonging to the CXC chemokine family. CXCL3 controls migration and adhesion of monocytes and mediates it 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**

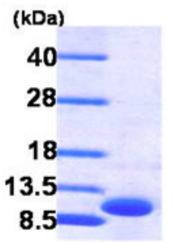
MGSSHHHHHH SSGLVPRGSH MASVVTELRC QCLQTLQGIH LKNIQSVNVR SPGPHCAQTE VIATLKNGKK ACLNPASPMV QKIIEKILNK GSTN

#### **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**





15% SDS-PAGE (3ug)

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