



## GRO-gamma (CXCL3), His Tag, human recombinant (rHuGROg-His)

**Catalog No:** 97333  
**Lot No:** XXXXX  
**Source:** *E. coli*  
**Synonyms:** Macrophage inflammatory protein 2-beta, MIP2-beta, CXCL3, Growth-regulated protein gamma, GRO-gamma, GRO-gamma(1-73), GRO3, GROg, MIP2B, SCYB3, MIP-2b, CINC-2b, MGSA gamma

### Background

Chemokine (C-X-C motif) ligand 3 (CXCL3) is a small cytokine belonging to the CXC chemokine family that is also known as GRO3 oncogene (GRO3), GRO protein gamma (GROg) and macrophage inflammatory protein-2-beta (MIP2b). CXCL3 controls migration and adhesion of monocytes and mediates its effects on its target cell by interacting with a cell surface chemokine receptor called CXCR2. The gene for CXCL3 is located on chromosome 4 in a cluster of other CXC chemokines.

### Description

GRO-g human recombinant produced in *E. coli* is a single, non-glycosylated, polypeptide chain containing 94 amino acids (35-107) and having a molecular mass of 7902 Dalton. GRO-g is fused to 20 amino acid His Tag at N-terminus and purified by proprietary chromatographic techniques.

### Physical Appearance

Sterile filtered colorless solution.

### Formulation

The CXCL3 protein is formulated in 20 mM Tris-HCl buffer pH 8, 1 mM DTT and 20% glycerol.

### Stability

Liquid CXCL3, although stable at 10°C for 1 week, should be stored below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

### Purity

Greater than 95.0% as determined by SDS-PAGE.

### Amino Acid Sequence

MGSSHHHHHH SSGLVPRGSH MASVVTELRC QCLQTLQGIH LKNIQSVNVR SPGPHCAQTE VIATLKNGKK ACLNPASPMV  
QKIEKILNK GSTN

### Usage

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## CONTACT US TODAY

BIOMOL GmbH • Kieler Straße 303a • 22525 Hamburg • Germany • [info@biomol.de](mailto:info@biomol.de) • [www.biomol.de](http://www.biomol.de)

Fon: +49 (0)40-853 260 0 • TOLL FREE IN GERMANY: Fon: 0800-246 66 51