



GRO-gamma (CXCL3), His Tag, mouse recombinant (rmGRO-g-His)

Catalog No: 97469
Lot No: XXXXX
Source: *E. coli*
Synonyms: C-X-C motif chemokine 3, Dendritic cell inflammatory protein 1, Cxcl3, Dcip1, Gm1960, GRO-g

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 mouse recombinant produced in *E. coli* is a single, non-glycosylated polypeptide chain containing 98 amino acids (28-100) and having a molecular mass of 10.6 kDa. CXCL3 is fused to a 25 amino acid His Tag at N-terminus and purified by proprietary chromatographic techniques.

Physical Appearance

Sterile filtered colorless solution.

Formulation

The GRO-gamma protein solution (0.25 mg/ml) containing 20 mM Tris-HCl buffer (pH8.0), 50% glycerol, 0.15 M NaCl and 5 mM DTT.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Purity

Greater than 90.0% as determined by SDS-PAGE.

Amino Acid Sequence

MGSSHHHHHH SSGLVPRGSH MGSHMAVVAS ELRCQCLNTL PRVDFETIQS LTVTPPGPHC TQTEVIATLK DGQEVCLNPQ
GPRLQIIKK ILKSGKSS

Usage

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