

## GRO b Human, His

**Description:** GRO-Beta Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 94 amino acids and having a molecular mass of 10.1 kDa. The GRO-b is fused to 20 amino acid His Tag at N-terminus and purified by proprietary chromatographic techniques.

**Catalog #:** CHPS-363

For research use only.

**Synonyms:** Macrophage inflammatory protein 2-alpha, MIP2-alpha, CXCL2, Growth- regulated protein beta, Gro-beta, chemokine (C-X-C motif) ligand 2, GRO2, GROb, MIP2, MIP2A, SCYB2, MGSA-b, MIP-2a, CINC-2a, MGSA beta.

**Source:** Escherichia Coli.

**Physical Appearance:** Sterile filtered colorless solution.

**Amino Acid Sequence:** MGSSHHHHHH SSGLVPRGSH MAPLATELRRC QCLQTLQGIH  
LKNIQSVKVK SPGPHCAQTE VIATLKNQK ACLNPASPMV KKIIEKMLKNGKSN.

**Purity:** Greater than 95.0% as determined by SDS-PAGE.

**Formulation:**

The Human CXCL2 protein solution contains 20mM Tris HCl.

**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.

**Usage:**

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**Introduction:**

Chemokine (C-X-C motif) ligand 2 (CXCL2) is a small cytokine belonging to the CXC chemokine family that is also called macrophage inflammatory protein 2-alpha (MIP2-alpha), Growth-regulated protein beta (Gro-beta) and Gro oncogene-2 (Gro-2). CXCL2 is 90% identical in amino acid sequence as a related chemokine, CXCL1. This chemokine is secreted by monocytes and macrophages and is chemotactic for polymorphonuclear leukocytes and hematopoietic stem cells. The gene for CXCL2 is located on human chromosome 4 in a cluster of other CXC chemokines. CXCL2 mobilizes cells by interacting with a cell surface chemokine receptor called CXCR2.

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