

RPPB1146

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## Product Information    Protein Information

**Product SKU:**

RPPB1146

**Accession:**

P19875

**Host:**

Escherichia Coli.

**Protein description:**

GRO-Beta Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 73 amino acids and having a molecular mass of 7908 Dalton. The CXCL2 is purified by proprietary chromatographic techniques.

**Appearance:**

Sterile Filtered White lyophilized (freeze-dried) powder.

**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.

**Formulation:**

The protein was lyophilized with no additives.

**Purity:**

Greater than 98.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.

**Solubility:**

It is recommended to reconstitute the lyophilized GRO-beta Human in sterile 18MΩ-cm H<sub>2</sub>O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

**Stability:**

Lyophilized CXCL2 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution CXCL2 should be stored at 4°C between 2-7 days and for future use 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.

**Amino Acid Sequence:**

The sequence of the first five N-terminal amino acids was determined and was found to be Ala-Pro-Leu-Ala-Thr.

**Biological Activity:**

The Biological activity is calculated by its ability to chemoattract CXCR2 transfected 293 cells using 10-100ng/ml corresponding to a Specific Activity of 10,000-100,000IU/mg.