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CXCL2
Recombinant Human CXCL2/GRO-beta

Catalog No.	CRG501A	**Quantity:**	2 µg
	CRG501B		10 µg
	CRG501C		1.0 mg

Alternate Names: Growth-regulated protein beta, GRO-beta, macrophage inflammatory protein 2-alpha, MIP2-alpha, CXCL2, GRO2

Description: C-X-C motif chemokine 2, CXCL2, also known as Growth regulated protein beta (GRO-β), is a chemokine that is secreted by macrophages, neutrophils, and monocytes at sites of inflammation. GRO-β functions as a chemoattractant for leukocytes and hematopoietic stem cells. GRO-β activity is mediated through binding the G-protein-coupled chemokine receptor CXCR2.

UniProt Name: C-X-C motif chemokine 2

Gene ID: 2920

UniProt ID: P19875

Source: *E. coli*

Molecular Weight: Monomer, 7.9 kDa (73 aa)

Formulation: Lyophilized from a 0.2 µm sterile filtered aqueous solution containing 0.1% Trifluoroacetic Acid (TFA)

Purity: ≥ 95% by reducing and non-reducing SDS-PAGE

Endotoxin Level: ≤ 1EU/µg by kinetic LAL

Biological Activity: This product has been tested in a human neutrophil chemotaxis assay, initial activity detected at 10 ng/mL.

Amino Acid Sequence: APLATELRCQ CLQTLQGIHL KNIQSVKVKS PGPHCAQTEV IATLKNGQKA CLNPASPMVK KIIEKMLKNG KSN

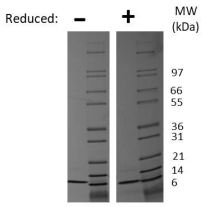
Reconstitution: **Centrifuge vial prior to opening.** Add sterile distilled water to a concentration of 0.1 mg/mL and gently pipetting the solution up and down the sides of the vial. **DO NOT VORTEX.** Allow several minutes for reconstitution. A small amount of precipitate may be seen.

Storage & Stability: Store as supplied at -20°C to -80°C for up to 1 year. Upon reconstitution, prepare working aliquots and store at -20°C to -80°C. It is recommended that a carrier protein such as 0.1% HSA or BSA is added for long term storage.
Avoid repeated freeze-thaw cycles.

Cell Sciences®
65 Parker Street
Unit 11
Newburyport, MA 01950

Toll Free: 888-769-1246
Phone: 978-572-1070
Fax: 978-992-0298

E-mail: info@cellsciences.com
Website: www.cellsciences.com



Human GRO-beta / CXCL2 Gel
Figure: 1 ug run under (-) non-reducing conditions and (+) reducing conditions in a 4-20% Tris-Glycine gel, stained with Coomassie Blue. Human GRO-beta / CXCL2 is predicted to have a MW of 7.9 kDa.

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

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