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Cxcl1
Recombinant Mouse Gro-alpha / CXCL1

Catalog No.	CRM426A	**Quantity:**	5 µg
	CRM426B		100 µg
	CRM426C		1 mg
	CRM426D		20 µg

Alternate Names: C-X-C motif chemokine 1, CXCL1, Secretory protein N51, Platelet-derived growth factor-inducible protein KC

Description: Growth regulated alpha protein (GRO-α), also known as CXCL1, is a chemokine that has mitogenic properties and is a neutrophil chemoattractant. GRO- α is secreted by macrophages, epithelial cells, neutrophils, and melanomas. GRO- α signals through the CXCR2 chemokine receptor and is important during spinal cord formation, inflammation, angiogenesis, tumorigenesis, and wound healing.

Gene ID: 14825

UniProt ID: P12850

Source: *E. coli*

Molecular Weight: Monomer, 7.8 kDa (72 aa)

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

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

Endotoxin Level: ≤1 EU/µg by kinetic LAL analysis

Biological Activity: This product demonstrates human neutrophil chemotaxis at a lower limit of 10 ng/ml.

Amino Acid Sequence: APIANELRCQ CLQTMAGIHL KNIQSLKVLP SGPHCTQTEV IATLKNGREA CLDPEAPLVQ KIVQKMLKGV PK

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

Storage & Stability: **Upon receipt**, store as supplied at -20°C to -80°C for up to one year. **Upon reconstitution**, the preparation is stable for up to one month at 2-8°C. **For long term storage**, reconstitute in working aliquots in 0.1% BSA solution and store at -80°C. **Avoid repeated freeze-thaw cycles.**

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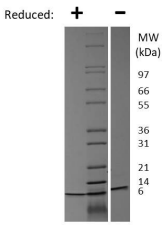

Mouse GRO-alpha / CXCL1 Gel
Figure: 1 ug run under (-) non-reducing conditions and (+) reducing conditions in a 4-20% Tris-Glycine gel, stained with Coomassie Blue. Mouse GRO-alpha / CXCL1 is predicted to have a MW of 7.8 kDa.

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

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