

**RMCH161**

Recombinant CXCL1 (C-X-C motif chemokine 1), Human, Ar



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 5ug;20ug;100ug;500ug;**Synonym/Alternative name(s)** : GRO- $\alpha$ : MGSA $\alpha$ , NAP-3, GRO1**Activity:**

Measure by its ability to chemoattract BaF3 cells transfected with human CXCR2.

The ED50 for this effect is &lt;3 ng/mL.

**Protein Description:**

CXCL1/GRO $\alpha$  act as a growth factor for melanoma cells. It is also a chemotaxin for neutrophils. Like other alpha chemokines, this protein is potent neutrophil attractant and activator and is also affect basophils. Clinical research show that CXCL1 protein may be a therapeutic target as well as a diagnostic marker in ovarian cancer.

**Protein Accession** : P09341**Gene ID** : 2919**Expression Sequence:**

ASVATELRCQCLQLTQGIHPKNIQSVNVKSPGPHCAQTEVIATLKNRKAACLNPAPIVKKIIEKMLNSDKSN with polyhistidine tag at the N-terminus.

**Fusion tag** : His-tag?at?the?N-terminus**Species** : Human**Reactivity** : Human**Expression Host** : Escherichia coli**Source** : E. coli**Purity/method:**

&gt;98% as determined by SDS-PAGE. Ni-NTA chromatography

**Endotoxin level:**<0.1 EU per 1  $\mu$ g of the protein by the LAL method.**Calculated Molecular Weight** : 8.67 kDa**Formulation:**

The protein was lyophilized from a solution containing 1X PBS, pH 7.4.

**Reconstitution:**It is recommended to reconstitute the lyophilized protein in sterile H<sub>2</sub>O to a concentration not less than 100  $\mu$ g/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.**Shipping** : Blue Ice**Stability and Storage:**

Lyophilized protein should be stored at -20°C for 1 year.

Upon reconstitution, store at 2°C to 8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1%

BSA, 10%FBS, 5%HSA or 5% trehalose solution), protein aliquots should be stored at -20°C or -80°C for 3-6 months.

**Category** : Cytokines

**Application :** Cell culture, Elisa

**Image:**



SDS- PAGE analysis of recombinant human CXCL1