

**CXCL1/GRO $\alpha$ , 35-107aa, Human, His-Tagged, Recombinant, E.coli**

**Cat.NO.: TP01793**

3th Edition

**Synonyms:** Chemokine (C-X-C motif) ligand 1 / Growth-regulated alpha protein, FSP, GRO1, GROA, MGSA, NAP-3, SCYB1

**Description:** CXCL1/GRO $\alpha$  is a growth factor for melanoma cells and a chemotaxin for neutrophils. Similar to other alpha chemokines, this protein is potent neutrophil attractant and activator and is also active toward basophils. In addition, CXCL1 protein may be a therapeutic target as well as a diagnostic marker in ovarian cancer. Recombinant CXCL1 protein was expressed in E.coli and purified by using conventional chromatography techniques.

**Form:** Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol

**Molecular Weight:** 10.1 kDa (94 aa), confirmed by MALDI-TOF. (Molecular weight on SDS-PAGE will appear higher)

**Sequences:**

MGSSHHHHHHSSGLVPRGSHMASVATELRQCQLQLQGIHPKNIQSVNVKSPGPHCAQTEVIATLKNGRKACLNP  
ASPIVKKII EKMLNSDKSN

**Purity:** > 95% by HPLC

**Concentration:** 1 mg/ml (determined by Absorbance at 280nm)

**Endotoxin Level:** <1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:** Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.