

AR50026PU-N**Human CXCL1 / GRO-alpha (35-107, His-tag) - Purified****Alternate names:**

CXCL1, GRO, GRO-alpha(1-73), GRO1, GROA, Growth-regulated alpha protein, MGSA, MGSA, Melanoma growth stimulatory activity, NAP-3, Neutrophil-activating protein 3, SCYB1

Quantity:

0.5 mg

Concentration:

1 mg/ml (determined by Bradford assay)

Background:

CXCL1/GRO α is a growth factor for melanoma cells and a chemotxin 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

Uniprot ID:

[P09341](#)

NCBI:

[NP_001502](#)

GenelD:

[2919](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >90% by SDS - PAGE

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol

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

Description:**AA Sequence:**

MGSSHHHHH SGLVPRGSH MASVATELRQ QCLQLQGIH PKNIQSVNVK SPGPCHAQTE
VIATLKNGRK ACLNPASPIV KKIIEKMLNS DKSQ

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

Storage:

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

General Readings:

Kawanishi H, et al. (2008) Clin Cancer Res., 2579-87 Yang HT, et al. (2008) Cell Signal, 375-80 Yang G, et al. (2006) Proc Natl Acad Sci U S A, 16472-7

Pictures:

