

## Product datasheet for **AR50026PU-N**

### **CXCL1 / GRO-alpha (35-107, His-tag) Human Protein**

#### **Product data:**

|  |   |
|--|---|
| <b>Product Type:</b>                         | Recombinant Proteins  |
| <b>Description:</b>                          | CXCL1 / GRO-alpha (35-107, His-tag) human protein, 0.5 mg   |
| <b>Species:</b>                              | Human   |
| <b>Expression Host:</b>                      | E. coli   |
| <b>Expression cDNA Clone or AA Sequence:</b> | MGSSHHHHHH SSGLVPRGSH MASVATELRC QCLQTLQGIH PKNIQSVNVK SPGPHCAQTE VIATLKNRKL ACLNPASPIV KKIIEKMLNS DKS N                                |
| <b>Tag:</b>                                  | His-tag   |
| <b>Predicted MW:</b>                         | 10.1 kDa  |
| <b>Concentration:</b>                        | lot specific  |
| <b>Purity:</b>                               | >90% by SDS - PAGE  |
| <b>Buffer:</b>                               | Presentation State: Purified<br>State: Liquid purified protein<br>Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol |
| <b>Endotoxin:</b>                            | < 1.0 EU per 1 microgram of protein (determined by LAL method)  |
| <b>Preparation:</b>                          | Liquid purified protein   |
| <b>Storage:</b>                              | Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.<br>Avoid repeated freezing and thawing.            |
| <b>Stability:</b>                            | Shelf life: one year from despatch.   |
| <b>RefSeq:</b>                               | <a href="#">NP_001502</a>   |
| <b>Locus ID:</b>                             | 2919  |
| <b>UniProt ID:</b>                           | <a href="#">P09341</a>  |
| <b>Cytogenetics:</b>                         | 4q13.3  |
| <b>Synonyms:</b>                             | GRO, GRO1, GROA, MGSA, SCYB1, CXCL1, MGSA, NAP-3, GRO-alpha(1-73)   |



[View online »](#)

**Summary:**

This antimicrobial gene encodes a member of the CXC subfamily of chemokines. The encoded protein is a secreted growth factor that signals through the G-protein coupled receptor, CXC receptor 2. This protein plays a role in inflammation and as a chemoattractant for neutrophils. Aberrant expression of this protein is associated with the growth and progression of certain tumors. A naturally occurring processed form of this protein has increased chemotactic activity. Alternate splicing results in coding and non-coding variants of this gene. A pseudogene of this gene is found on chromosome 4. [provided by RefSeq, Sep 2014]

**Protein Families:**

Druggable Genome, Secreted Protein

**Protein Pathways:**

Chemokine signaling pathway, Cytokine-cytokine receptor interaction, Epithelial cell signaling in Helicobacter pylori infection, NOD-like receptor signaling pathway

**Product images:**