

## Product datasheet for **AR50026PU-S**

### **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, 0.1 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 State: Liquid purified protein 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. 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)



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**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:**