

## **Product datasheet for TP301992L**

## OriGene Technologies, Inc.

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## GRO alpha (CXCL1) (NM\_001511) Human Recombinant Protein

**Product data:** 

**Product Type:** Recombinant Proteins

**Description:** Purified recombinant protein of Human chemokine (C-X-C motif) ligand 1 (melanoma growth

stimulating activity, alpha) (CXCL1), full length, with C-terminal MYC/DDK tag□expressed in

HEK293T cells, 1 mg

Species: Human
Expression Host: HEK293T

**Expression cDNA Clone** >RC201992 protein sequence or AA Sequence: Red=Cloning site Green=Tags(s)

MARAALSAAPSNPRLLRVALLLLLLVAAGRRAAGASVATELRCQCLQTLQGIHPKNIQSVNVKSPGPHCA

QTEVIATLKNGRKACLNPASPIVKKIIEKMLNSDKSN

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV** 

Tag: C-Myc/DDK

Predicted MW: 11.3 kDa

**Concentration:** >0.05 μg/μL as determined by microplate Bradford method

**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Buffer:** 25mM Tris.HCl, pH7.3, 100mM glycine, 10% glycerol.

Storage: Store at -80°C after receiving vials.

Stability: Stable for at least 1 year from receipt of products under proper storage and handling

conditions. Avoid repeated freeze-thaw cycles.

RefSeq: NP 001502

 Locus ID:
 2919

 UniProt ID:
 P09341

 RefSeq Size:
 1184

 Cytogenetics:
 4q13.3

 RefSeq ORF:
 321

Synonyms: FSP; GRO1; GROa; MGSA; MGSA-a; NAP-3; SCYB1





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.

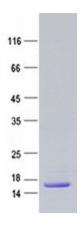
A pseudogene of this gene is found on chromosome 4. [provided by RefSeq, Sep 2014]

**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:**



Coomassie blue staining of purified CXCL1 protein (Cat #[TP301992]). The protein was produced from mammalian cells transfected with CXCL1 cDNA clone (Cat #[RC201992]).