

## Product datasheet for TP301992M

### 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, 100 ug |
| Species:                              | Human   |
| Expression Host:                      | HEK293T   |
| Expression cDNA Clone or AA Sequence: | >RC201992 protein sequence<br>Red=Cloning site Green=Tags(s)  |
|                                       | MARAALSAAPSNPRLLRVALLLLLLVAAGRRAAGASVATELRCQCLQTLQGIHPKNIQSVNVKSPGPHCA<br>QTEVIATLKNRKAACLNPA SPIVKKIIEKMLNSDKSN  |
|                                       | 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:                               | <a href="#">NP_001502</a>   |
| Locus ID:                             | 2919  |
| UniProt ID:                           | <a href="#">P09341</a>  |
| RefSeq Size:                          | 1184  |
| Cytogenetics:                         | 4q13.3  |
| RefSeq ORF:                           | 321   |
| Synonyms:                             | FSP; GRO1; GROa; MGSA; MGSA-a; NAP-3; SCYB1   |



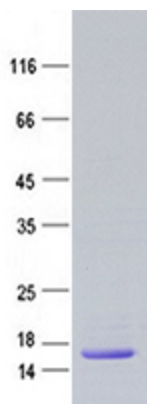
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**Summary:** This antimicrobial gene encodes a member of the CXC subfamily of chemokines. The encoded protein is a secreted growth factor that signals through the G-protein coupled receptor, CXC receptor 2. This protein plays a role in inflammation 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:



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