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# GRO1/KC Mouse, His

*GRO/KC (CXCL1) Mouse Recombinant, His Tag*
*CHK0063*

## Product Overview

| | |
|---|---|
| Name | GRO1/KC Mouse, His |
| **Description** | |
| GRO/KC (CXCL1) Mouse Recombinant, His Tag | |
| Accession (Primary) | P12850 |
| **Synonyms** | |
| Growth-regulated alpha protein, CXCL1, Platelet-derived growth factor-inducible protein KC, Secretory protein N51, KC, Fsp, N51, gro, Gro1, Mgsa, Scyb1, chemokine (C-X-C motif) ligand 1. | |
| **Introduction** | |
| Chemokine (C-X-C motif) ligand 1 (CXCL1) is a small cytokine belonging to the CXC chemokine family that was previously called GRO1 oncogene, Neutrophil-activating protein 3 (NAP-3) and melanoma growth stimulating activity, alpha (MSGA-a). It is secreted by human melanoma cells, has mitogenic properties and is implicated in melanoma pathogenesis. CXCL1 is expressed by macrophages, neutrophils and epithelial cells, and has neutrophil chemoattractant activity. CXCL1 plays a role in spinal cord development by inhibiting the migration of oligodendrocyte precursors and is involved in the processes of angiogenesis, inflammation, wound healing, and tumorigenesis. This chemokine elicits its effects by signaling through the chemokine receptor CXCR2. The gene for CXCL1 is located on human chromosome 4 amongst genes for other CXC chemokines. | |
| **Source** | |
| Escherichia Coli. | |
| **Physical Appearance** | |
| Sterile Filtered colorless solution. | |
| **Formulation** | |
| GRO1 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 10% glycerol and 0.1M NaCl. | |
| **Stability** | |
| Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles. | |
| **Purity** | |
| Greater than 90.0% as determined by SDS-PAGE. | |
| **Amino acid sequence** | |

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MGSSHHHHHH SSGLVPRGSH MGSHM APIAN ELRCQCLQTM AGIHLKNIQS LKVLPSGPHC TQTEVIATLK NGREACLDPE APLVQKIVQK MLKGVPK.

**Precautions**

GRO1/KC Mouse, His is for research use only and not for use in diagnostic or therapeutic procedures.

## Target Information: ( P12850 )