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GRO-α/KC/CXCL1

Catalog # PVGS1355

Product Information

Primary Accession	P12850
Species	Mouse
Sequence	Ala25-Lys96
Purity	> 95% as analyzed by SDS-PAGE > 95% as analyzed by HPLC
Endotoxin Level	
Biological Activity	Active at 10.0 ng/ml, measured in a tube formation assay using HUVEC cells.
Expression System	CHO
Formulation	Lyophilized after extensive dialysis against PBS.
Reconstitution	It is recommended that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute the lyophilized powder in ddH_2O or PBS up to 100 □g/ml.
Storage & Stability	Upon receiving, this product remains stable for up to 6 months at lower than -70°C. Upon reconstitution, the product should be stable for up to 1 week at 4°C or up to 3 months at -20°C. For long term storage it is recommended that a carrier protein (example 0.1% BSA) be added. Avoid repeated freeze-thaw cycles.

Additional Information

Gene ID	14825
Other Names	Growth-regulated alpha protein, C-X-C motif chemokine 1, Platelet-derived growth factor-inducible protein KC, Secretory protein N51, KC(5-72), Hematopoietic synergistic factor, HSF, KC-T, Cxcl1, Gro, Gro1, Mgsa, Scyb1
Target Background	GRO-α/KC/CXCL1 coded by CXCL1 gene at chromosome 5 is approximately 63% identity to that of mouse MIP2. KC is also approximately 60% identical to the human GROs. Mouse KC is a potent neutrophil attractant and activator. The functional receptor for KC has been identified as CXCR2. Based on the pattern of KC expression in a number of inflammatory disease models, KC appears to have an important role in inflammation. KC was found to be involved in monocyte arrest on atherosclerotic endothelium and may also play a pathophysiological role in Alzheimer's disease.

Protein Information

Name	Cxcl1
Synonyms	Gro, Gro1, Mgsa, Scyb1
Function	Has chemotactic activity for neutrophils. Contributes to neutrophil activation during inflammation (By similarity). Hematoregulatory chemokine, which, in vitro, suppresses hematopoietic progenitor cell proliferation. KC(5-72) shows a highly enhanced hematopoietic activity.
Cellular Location	Secreted.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.