

Rev04
 Update: Mar,01,2022

DATASHEET

GRO- α /KC/CXCL1, Mouse(CHO-expressed)

Cat. No.: Z03141

Product Introduction

Species	Mouse
Protein Construction	GRO- α (Ala25-Lys96) Accession # P12850
Purity	> 95% as analyzed by SDS-PAGE > 95% as analyzed by HPLC
Endotoxin Level	< 0.2 EU/ μ g of protein by gel clotting method
Biological Activity	Active at 10.0 ng/ml, measured in a tube formation assay using HUVEC cells.
Expression System	CHO
Apparent Molecular Weight	5~7 kDa, on SDS-PAGE under reducing conditions.
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 ₂ O or PBS up to 100 μ 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.

Background

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.

Synonyms : Growth Regulated Protein/Melanoma Growth Stimulatory Activity; GRO α ; MGSA α ; CXCL1; NAP-3; GRO1; KC (murine); CINC (rat)

For laboratory research use only. Direct human use, including taking orally and injection and clinical use are forbidden.