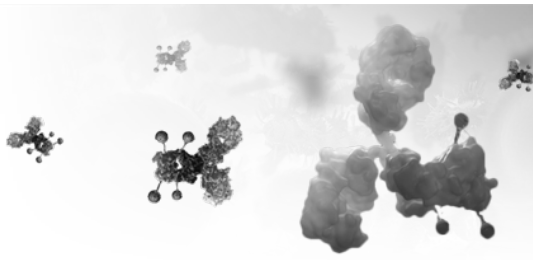

Mouse GRO-alpha, KC (DAG286)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	RecombinantMouse KC also known as N51 and GRO-1 is a single, non-glycosylatedpolypeptide chain containing 77 amino acids and having a molecular weight of8 kDa. Sequence: RLATGAPIANELRCQ CLQTMAGIHL KNIQSLKVLP SGPHCTQTEV IATLKNGREACLDPEAPLVQ KIVQKMLKGV PK
Antigen Description	Has chemotactic activity for neutrophils. May play a rolein inflammation and exerts its effects on endothelial cells in an autocrinefashion. In vitro, the processed forms GRO-alpha(4-73), GRO-alpha(5-73) andGRO-alpha(6-73) show a 30-fold higher chemotactic activity.
Species	Mouse
Conjugate	Unconjugated
Applications	Thebiological activity was determined by measuring the dose dependentmobilization of intracellular calcium (calcium flux) with human neutrophils.Significant calcium mobilization is observed with ≥50ng/ml of recombinantmouse KC (Specific Activity: ≥2 x 104
Format	Purified, Lyophilized. Reconstitute using sterile deionized water to a concentration 100µg/ml. Further dilutions can be made in other aqueou buffers.
Concentration	1 mg/ml(OD280nm, E0.1% = 0.03) (prior to lyophilization)
Buffer	Notapplicable.
Preservative	None
Storage	2-8°C short term, -20°C long term

BACKGROUND

Introduction	This gene encodes a member of the CXC subfamily of chemokines. The encoded protein is a

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	secreted growth factor that signal through the G-protein coupled receptor, CXC receptor 2. This protein plays a role in inflammation and as a chemoattractant for neutrophils. Aberrant expression 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, Jan 2012]
Keywords	CXCL1; chemokine (C-X-C motif) ligand 1 (melanoma growth stimulating activity, alpha); FSP; GRO1; GROa; MGSA; NAP-3; SCYB1; MGSA-a; growth-regulated alpha protein; MGSA alpha; GRO-alpha(1-73); C-X-C motif chemokine 1; fibroblast secretory protein; neutrop

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