Mouse GRO1/KC Recombinant Protein

RPPB1143

Product Information

Product SKU:
RPPB1143

Accession:
P12850

Host:
Escherichia Coli.

Protein Information

Protein description:
KC Mouse Recombinant also known as N51 and GRO-1 produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 72 amino acids and having a molecular mass of approximately 7.8 kDa. The GRO-1 is purified by proprietary chromatographic techniques.

Appearance:
Sterile Filtered White lyophilized (freeze-dried) powder.

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.

Formulation:
The protein solution (1mg/ml) was lyophilized from 20mM phosphate buffer pH-7.4 and 0.1M NaCl.

Purity:
Greater than 97.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

Solubility:
It is recommended to reconstitute the lyophilized GRO1 Recombinant in sterile 18MΩ-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Stability:
Lyophilized KC Mouse although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution CXCL1 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.

Amino Acid Sequence:
APIANELRCQ CLQTMAGIHL KNIQSLKVLP SGPHCTQTEV IATLKNGREA CLDPEAPLVQ KIVQKMLKGV PK.

Biological Activity:
The biological activity was determined by measuring the ability to chemoattrat human neutrophilsat a concentration of 10ng/ml-100ng/ml.