

Mouse GRO b Recombinant Protein



RPPB1148

Product Information Protein Information

Product SKU:

RPPB1148

Accession:

P10889

Host:

Escherichia Coli.

Protein description:

GRO-Beta Mouse Recombinant also called mouse MIP-2 produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 73 amino acids and having a molecular mass of 7849 Dalton. The CXCL2 is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

Macrophage inflammatory protein 2-alpha, MIP2-alpha, CXCL2, Growth-regulated protein beta, Gro-beta, chemokine (C-X-C motif) ligand 2, GRO2, GROb, MIP2, MIP2A, SCYB2, MGSA-b, MIP-2a, CINC-2a, MGSA beta.

Formulation:

The protein was lyophilized from a concentrated (1.0mg/ml) solution in 20mM PB, pH 7.4, 150mM 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 GRO-beta Mouse in sterile 18MΩ-cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Stability:

Lyophilized CXCL2 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution CXCL2 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:

AVVASELRQC CLKTLPRVDF KNIQSLSVTP PGPHCQAQTEV IATLKGGQKV CLDPEAPLVQ KIIQKILNKG KAN.

Biological Activity:

The Biological activity was determined by its ability to chemoattract total human neutrophils using a concentration range of 1.0-10.0 ng/ml, corresponding to a specific activity of 105-106 units/mg.