

Mouse FGF 9 Recombinant Protein



RPPB0222

Product Information Protein Information

Product SKU:

RPPB0222

Accession:

P54130

Host:

Escherichia Coli.

Protein description:

Fibroblast Growth Factor-9 Mouse Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 205 amino acids and having a molecular mass of 23308 Dalton. The FGF-9 Mouse Recombinant is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

GAF (Glia-activating factor), HBGF-9, MGC119914, MGC119915, FGF-9.

Formulation:

The protein was lyophilized from 10mM Tris, pH 8.0, 0.15M Ammonium Sulfate.

Purity:

Greater than 95.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.

Solubility:

It is recommended to reconstitute the lyophilized Fibroblast Growth Factor 9 in sterile 18MΩ-cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Stability:

Lyophilized Fibroblast Growth Factor-9 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution FGF9 Mouse Recombinant 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:

The sequence of the first five N-terminal amino acids was determined and was found to be Pro-Leu-Gly-Glu-Val.

Biological Activity:

The ED₅₀, calculated by the dose-dependant proliferation of BAF3 cells expressing FGF receptors (measured by 3H-thymidine uptake) is <0.5 ng/ml, corresponding to a specific activity of 2MU/mg.