

Fibroblast Growth Factor-9 Mouse Recombinant

Item Number	rAP-2210
Synonyms	GAF (Glia-activating factor), HBGF-9, MGC119914, MGC119915, FGF-9.
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.
Uniprot Accession Number	P54130
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.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. 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-
Formulation and Purity	The protein was lyophilized from 10mM Tris, pH 8.0, 0.15M Amonium Sulfate. Greater than 95.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Application	
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.
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.
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**