

Fibroblast Growth Factor-Acidic Mouse Recombinant

Item Number	rAP-2219
Synonyms	HBGF-1, ECGF-beta, FIBP, FGFIBP, FIBP-1, ECGF, ECGFA, GLIO703, FGF1, FGF-a.
Description	Fibroblast Growth Factor-acidic Mouse Recombinant (FGF-1) produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 140 amino acids and having a molecular mass of 15.8 kDa. The FGF acidic is purified by proprietary chromatographic techniques.
Uniprot Accesion Number	P61148
Amino Acid Sequence	FNLPLGNYK KPKLLYCSNG GHFLRILPDG TVDGTDRDRSD QHIQLQLSAE SAGEVYIKGT ETGQYLAMDT EGLLYGSQTP NEECLFLERL EENHYNTYTS KKHAEKNWFV GLKKNNGSCKR GPRTHYGQKA ILFLPLPVSS D.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized Fibroblast Growth Factor-1 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution FGF-a should be stored at 4°C between 2-7 days and for future use below -18°C. Please prevent freeze-thaw cycles.
Formulation and Purity	Lyophilized from a 0.2µm filtered concentrated solution in PBS, pH 7.4. Greater than 96.0% as determined by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized Fibroblast Growth Factor-acidic in sterile 18MΩ-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	The ED50 as determined by the dose-dependent proliferation of mouse BALB/c 3T3 cells, is less than 0.2 ng/ml corresponding to a Specific Activity of 5,000,000IU/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**