

Fibroblast Growth Factor-Basic Mouse Recombinant

Item Number	rAP-2214
Synonyms	HBGH-2, HBGF-2, Prostatopin, FGF-2, FGB-b.
Description	Fibroblast Growth Factor-basic Mouse Recombinant (FGF-2) produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 146 amino acids and having a molecular mass of 16.3kDa. The FGF-2 is purified by proprietary chromatographic techniques.
Uniprot Accesion Number	P15655
Amino Acid Sequence	MPALPEDGGA AFPPGHFKDP KRLYCKNGGF FLRIHPDGRV DGVREKSDPH VKLQLQAEER GVVSIKGVCA NRYLAMKEDG RLLASKCVTE ECVFERLES NNYNTYRSRK YSSWYVALKR TGQYKLG- SKT GPGQKAILFL PMSAKS.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized Fibroblast Growth Factor-2 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution FGF-basic 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.
Formulation and Purity	FGF-b was lyophilized from 5mM Na ₂ PO ₄ , pH7.5 and 50mM NaCl. Greater than 95.0% as determined by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized Fibroblast Growth Factor in sterile 18M-cm H ₂ O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	The activity as calculated by the dose-dependant proliferation of BALB/3T3 cells was found to be less than 1ng/ml corresponding to a specific activity of 1,000,000 units/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**