

## Fibroblast Growth Factor-Basic Bovine Recombinant

Item Number	rAP-2207
Synonyms	HBGH-2, HBGF-2, Prostatropin, FGF-2, FGB-b.
Description	FGF-2 Bovine Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 155 amino acids and having a molecular mass of 17250 Dalton. The Fibroblast Growth Factor 2 is purified by proprietary chromatographic techniques.
Uniprot Accession Number	P03969
Amino Acid Sequence	The sequence of the first five N-terminal amino acids was determined and was found to be Met-Ala-Ala-Gly-Ser.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized Fibroblast Growth Factor 2 Bovine although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution FGF-b Bovine Recombinant 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	The FGF-b Bovine was lyophilized from a concentrated (1mg/ml) sterile solution containing 1% HSA. Greater than 97.0% 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-2 Bovine Recombinant in sterile 18MΩ-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	The ED50, measured in a mitogenic assay using quiescent NR6R-3T3 fibroblasts was found to be <0.1ng/ml, corresponding to a specific activity of 3 x 10 <sup>6</sup> 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**