

Fibroblast Growth Factor-basic Human Recombinant, HEK

Item Number	rAP-2197
Synonyms	Prostatropin, HBGH-2, HBGF-2, FGF-2, FGF-b.
Description	FGF-2 Human Recombinant Thermostable produced in HEK cells is a non-glycosylated monomer, containing 154 amino acids and having a total molecular weight of 17kDa. FGF-2 Thermostable is a protein engineered FGF2 in order to enhance its thermostability without modifying its biological function. The FGF-b is
Uniprot Accession Number	P09038
Amino Acid Sequence	
Source	HEK.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized FGF-2 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution FGF-b 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	The FGF2 was filtered (0.2µm) and lyophilized from 0.68mg/ml in 1xPBS. Greater than 95% as observed by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized FGF-b in sterile PBS containing 0.1% endotoxin-free recombinant HSA.
Biological Activity	The specific activity was determined by the dose dependent stimulation of proliferation of the Balb/c 3T3 cell line, the ED50 is 0.007ng/ml.
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**