

Fibroblast Growth Factor Acidic Bovine

Item Number	rAP-2224
Synonyms	HBGF-1, ECGF-beta, FIBP, FGFIBP, FIBP-1, ECGF, ECGFA, GLIO703, FGF1, FGF-a.
Description	Fibroblast Growth Factor-acidic Bovine (FGF-1) purified from Bovine Brain contains a 17 kDa and a 20 kDa polypeptide chain. The 17 kDa peptide is derived from the 20K peptide by restricted proteolysis. (See Jaye et al ²). The FGF acidic is purified by proprietary chromatographic techniques.
Uniprot Accession Number	P03968
Amino Acid Sequence	
Source	Bovine Brain.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized aFGF although stable at room temperature for 2 weeks, should be stored desiccated below -18°C. Upon reconstitution aFGF should be stored at 4°C between 2-3 weeks and for future use below -18°C. Please prevent freeze-thaw cycles.
Formulation and Purity	Each 5µg aFGF were lyophilized from 0.5ml solution containing 1mM sodium phosphate, pH 7 after filtration over a low binding membrane. Greater than 90%.
Application	
Solubility	It is recommended to reconstitute the lyophilized aFGF in sterile 50mM Na ₂ HPO ₄ pH-7, and 0.5% albumin. The Recommended concentration in cell culture: 1-20ng/ml.
Biological Activity	Stimulates growth of bovine capillary endothelial cells by 3-5 fold over 5% calf serum at 10-25ng/ml FGF and 0ug/ml heparin.
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**