

# Bovine aFGF Recombinant Protein



RPPB0214

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## Product Information    Protein Information

**Product SKU:**

RPPB0214

**Accession:**

P03968

**Host:**

Bovine Brain.

**Protein 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<sup>2</sup>). The FGF acidic is purified by proprietary chromatographic techniques.

**Appearance:**

Sterile Filtered White lyophilized (freeze-dried) powder.

**Synonyms:**

HbGF-1, ECGF-beta, FIBP, FGFIBP, FIBP-1, ECGF, ECGFA, GLIO703, FGF1, FGF-a.

**Formulation:**

Each 5µg aFGF were lyophilized from 0.5ml solution containing 1mM sodium phosphate, pH 7 after filtration over a low binding membrane.

**Purity:**

Greater than 90%.

**Solubility:**

It is recommended to reconstitute the lyophilized aFGF in sterile 50mM Na<sub>2</sub>HPO<sub>4</sub> pH-7, and 0.5% albumin. The Recommended concentration in cell culture: 1-20ng/ml.

**Stability:**

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.

**Biological Activity:**

Stimulates growth of bovine capillary endothelial cells by 3-5 fold over 5% calf serum at 10-25ng/ml FGF.