

Active Native Bovine FGF1

Cat. No. FGF1-33B **Lot. No.** (See product label)

SPECIFICATION

Product Overview	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. The FGF acidic is purified by proprietary chromatographic techniques.
Species	Bovine
Source	Bovine Brain
Form	Each 5µg aFGF were lyophilized from 0.5ml solution containing 1mM sodium phosphate, pH 7 after filtration over a low binding membrane.
Bio-activity	The ED50 was determined by the dose-dependent stimulation of the proliferation of murine Balb/3T3 cells is < 2.0 ng/ml, corresponding to a specific activity of >500,000 units/mg.
Purity	Greater than 90%.
Usage	This product is furnished for LABORATORY RESEARCH USE ONLY. Not for diagnostic or therapeutic use.
Storage	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.

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Reconstitution

It is recommended to reconstitute the lyophilized aFGF in sterile 50mM Na₂HPO₄ pH-7, and 0.5% albumin. The Recommended concentration in cell culture: 1-20ng/ml.

GENE INFORMATION

Gene Name FGF1?fibroblast growth factor 1 (acidic) [?Bos taurus?(cattle)]

Official Symbol FGF1

Synonyms FGF1; ECGF; FGF-1

Gene ID 281160

mRNA Refseq NM_174055

Protein Refseq ?NP_776480

UniProt ID P03968

Chromosome Location chromosome: 7

Pathway Activated point mutants of FGFR2, organism-specific biosystem; Adaptive Immune System, organism-specific biosystem

Function S100 protein binding; fibroblast growth factor receptor binding

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