

## Active Native Bovine FGF1

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

### SPECIFICATION

<b>Product Overview</b>	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.
<b>Species</b>	Bovine
<b>Source</b>	Bovine Brain
<b>Form</b>	Each 5µg aFGF were lyophilized from 0.5ml solution containing 1mM sodium phosphate, pH 7 after filtration over a low binding membrane.
<b>Bio-activity</b>	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.
<b>Purity</b>	Greater than 90%.
<b>Usage</b>	This product is furnished for LABORATORY RESEARCH USE ONLY. Not for diagnostic or therapeutic use.
<b>Storage</b>	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 Na<sub>2</sub>HPO<sub>4</sub> 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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