

# 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.                                |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

**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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