

Active Native Bovine bFGF

Cat. No. FGF2-34B **Lot. No.** (See product label)

SPECIFICATION

Product Overview	FGF-2 Bovine purified from bovine pituitary is a single, glycosylated, polypeptide chain having a molecular mass of 16kDa. The basic-FGF is purified by proprietary chromatographic techniques.
Species	Bovine
Source	Bovine Pituitary
Form	The FGF-basic Bovine was lyophilized from a concentrated sterile solution containing 50mM Na ₂ HPO ₄ , pH-7.5, 0.5% HSA.
Bio-activity	The ED ₅₀ , calculated by the dose-dependant proliferation of BAF3 cells expressing FGF receptors (measured by 3H-thymidine uptake) is <0.5 ng/ml, corresponding to α specific activity of >
Purity	Greater than 95.0% as determined by (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Usage	This product is furnished for LABORATORY RESEARCH USE ONLY. Not for diagnostic or therapeutic use.
Storage	Lyophilized FGF2 Bovine although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution FGF-b Bovine Recombinant should be stored at 4°C between 2-7 days 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  Fax: 1-631-938-8127

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

Reconstitution

It is recommended to reconstitute the lyophilized FGF-2 Bovine Recombinant in sterile 18MΩ-cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

GENE INFORMATION

Gene Name	FGF2?fibroblast growth factor 2 (basic) [?Bos taurus?(cattle)]
Official Symbol	FGF2
Synonyms	FGF2; FGF-2; bFGF
Gene ID	281161
mRNA Refseq	NM_174056
Protein Refseq	NP_776481
UniProt ID	P03969
Chromosome Location	chromosome: 17
Pathway	Endochondral Ossification, organism-specific biosystem; MAPK signaling pathway, organism-specific biosystem;
Function	fibroblast growth factor receptor binding; growth factor activity

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