

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.

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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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