9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

# FGF-2 Bovine

*Fibroblast Growth Factor-Basic Bovine Recombinant*
*GRF0098*

## Product Overview

| | |
|---|---|
| Name | FGF-2 Bovine |

**Description**

Fibroblast Growth Factor-Basic Bovine Recombinant

| | |
|---|---|
| Accession (Primary) | P03969 |

**Synonyms**

HBGH-2, HBGF-2, Prostatropin, FGF-2, FGB-b.

**Introduction**

FGF-basic is a member of the fibroblast growth factor (FGF) family. FGF family members bind heparin and possess broad mitogenic and angiogenic activities. This protein has been implicated in diverse biological processes, such as limb and nervous system development, wound healing, and tumor growth. The mRNA for this gene contains multiple polyadenylation sites, and is alternatively translated from AUG and non-AUG (CUG) initiation codons resulting in five different isoforms with distinct properties. The CUG-initiated isoforms are localized in the nucleus and are responsible for the intracrine effect, whereas, the AUG-initiated form is mostly cytosolic and is responsible for the paracrine and autocrine effects of this FGF. The heparin-binding growth factors are angiogenic agents in vivo and are potent mitogens for a variety of cell types in vitro. there are differences in the tissue distribution and concentration of these 2 growth factors.

**Source**

Escherichia Coli.

**Physical Appearance**

Sterile Filtered White lyophilized (freeze-dried) powder.

**Formulation**

The FGF-b Bovine was lyophilized from a concentrated (1mg/ml) sterile solution containing 1% HSA.

**Stability**

Lyophilized Fibroblast Growth Factor 2 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.

**Purity**

Greater than 97.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.

9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

**Amino acid sequence**

The sequence of the first five N-terminal amino acids was determined and was found to be Met-Ala-Ala-Gly-Ser.

**Biological Activity**