9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
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# FGF 2 Human, Plant

*Fibroblast Growth Factor-Basic Human Recombinant, Plant*
*GRF0065*

## Product Overview

| | |
|---|---|
| Name | FGF 2 Human, Plant |

**Description**

Fibroblast Growth Factor-Basic Human Recombinant, Plant

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|---|---|
| Accession (Primary) | P09038 |

**Synonyms**

Prostatropin, HBGH-2, HBGF-2, FGF-2, FGF-b, Fibroblast growth factor 2, Basic fibroblast growth factor, Heparin-binding growth factor 2.

**Introduction**

Basic fibroblast growth factor is a member of the fibroblast growth factor (FGF) family. FGF family members possess broad mitogenic and cell survival activities, and are involved in a variety of biological processes, including embryonic development, cell growth, morphogenesis, tissue repair, tumor growth and invasion. This protein functions as a modifier of endothelial cell migration and proliferation, as well as an angiogenic factor. It acts as a mitogen for a variety of mesoderm- and neuroectoderm-derived cells in vitro, thus is thought to be involved in organogenesis. Three alternatively spliced variants encoding different isoforms have been described. 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**

Rice Grain (Oryza Sativa).

**Physical Appearance**

Sterile Filtered White lyophilized (freeze-dried) powder.

**Formulation**

FGF-b was lyophilized from a concentrated solution without any additives.

**Stability**

Lyophilized Fibroblast Growth Factor-2 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution FGF-b should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

**Purity**

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Greater than 95.0% as determined by SDS-PAGE.

**Biological Activity**

**Solubility**

It is recommended to reconstitute the lyophilized Fibroblast Growth Factor Basic in sterile 18MΩ-cm H2O at 100 µg/ml, which can then be further diluted to other aqueous solutions.

**Precautions**

FGF 2 Human, Plant is for research use only and not for use in diagnostic or therapeutic procedures.

## Target Information: ( P09038 )