

## **Recombinant Murine FGF-basic**

Catalog # PBG10108

## **Specification**

#### **Recombinant Murine FGF-basic - Product Information**

## Recombinant Murine FGF-basic - Additional Information

# **Description**

FGF-basic is one of 23 known members of the FGF family. Proteins of this family play a central role during prenatal development and postnatal growth and regeneration of a variety of tissues, by promoting cellular proliferation and differentiation. FGF-basic is a non-glycosylated heparin binding growth factor that is expressed in the brain, pituitary, kidney, retina, bone, testis, adrenal gland liver, monocytes, epithelial cells and endothelial cells. FGF-basic signals through FGFR 1b, 1c, 2c, 3c and 4. Recombinant murine FGF-basic is a 16.3 kDa protein consisting of 145 amino acid residues.

## **Biological**Activity

<strong>Assay #1: </strong>The <strong>ED</strong><sub>50</sub> as determined by the dose-dependent stimulation of thymidine uptake by BaF3 cells expressing FGF receptors is  $\leq 0.1$  ng/ml corresponding to a specific activity of  $\geq 1 \times 10$ <span style="font-size: 13px;"><sup>7</sup></span> units/mg. <br/> <br/> <strong>Assay #2:</strong> The <strong>ED</strong><sub>50</sub> was determined by a cell proliferation assay using balb/c 3T3 cells is  $\leq 1.0$  ng/ml, corresponding to a specific activity of  $\geq 1 \times 10$ <sup>6</sup> units/mg.

#### **Authenticity**

Verified by N-terminal and Mass Spectrometry analyses (when applicable).

## **Endotoxin**

Endotoxin level is  $<0.1 \text{ ng}/\mu\text{g}$  of protein ( $<1\text{EU}/\mu\text{g}$ ).

### **Protein Content**

Verified by UV Spectroscopy and/or SDS-PAGE gel.

## Storage

-20°C

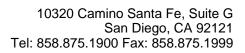
#### **Precautions**

Recombinant Murine FGF-basic is for research use only and not for use in diagnostic or therapeutic procedures.

## **Recombinant Murine FGF-basic - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot





• <u>Immunohistochemistry</u>

- <u>Immunofluorescence</u>
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

**Recombinant Murine FGF-basic - Images**