

## Animal-Free Recombinant Murine FGF-basic Catalog # PBG10568

### Specification

---

#### Animal-Free Recombinant Murine FGF-basic - Product Information

#### Animal-Free 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.

##### BiologicalActivity

**Assay #1:** The **ED<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  $\geq 1 \times 10^7$  units/mg.   
**Assay #2:** The **ED<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  $\geq 1 \times 10^6$  units/mg.

##### Authenticity

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

##### Endotoxin

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

##### Protein Content

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

##### Storage

-20°C

##### Precautions

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

#### Animal-Free Recombinant Murine FGF-basic - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)

- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Animal-Free Recombinant Murine FGF-basic - Images**