

**Recombinant Human FGF-basic (154 a.a.)**  
**Catalog # PBG10111****Specification**

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**Recombinant Human FGF-basic (154 a.a.) - Product Information****Recombinant Human FGF-basic (154 a.a.) - 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 human FGF-basic is a 17.2 kDa protein consisting of 154 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  $\leq 0.5$  ng/ml, corresponding to a specific activity of  $\geq 2 \times 10^6$  units/mg.   
**Assay #2:** The **ED<sub>50</sub>** was determined by a cell proliferation assay using balb/c 3T3 cells is  $\leq 0.1$  ng/ml, corresponding to a specific activity of  $\geq 1 \times 10^7$  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**

Recombinant Human FGF-basic (154 a.a.) is for research use only and not for use in diagnostic or therapeutic procedures.

**Recombinant Human FGF-basic (154 a.a.) - 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](#)

**Recombinant Human FGF-basic (154 a.a.) - Images**