

Human FGF-basic (146aa)
Catalog # PBG10574**Specification**

Human FGF-basic (146aa) - Product Information**Human FGF-basic (146aa) - 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 (146 a.a.) is a 16.4 kDa protein consisting of 146 amino acid residues.

Biological Activity

The **ED₅₀** was determined by a cell proliferation assay using balb/c 3T3 cells is ≤ 0.05 ng/ml, corresponding to a specific activity of $\geq 2 \times 10^7$ units/mg.

Authenticity

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

Endotoxin

Endotoxin level is <0.1 ng/ μ g of protein (<1 EU/ μ g).

Protein Content

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

Storage

-20°C

Precautions

Human FGF-basic (146aa) is for research use only and not for use in diagnostic or therapeutic procedures.

Human FGF-basic (146aa) - 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](#)

Human FGF-basic (146aa) - Images