

Recombinant Rat FGF-basic
Catalog # PBG10109**Specification**

Recombinant Rat FGF-basic - Product Information**Recombinant Rat 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 rat FGF-basic is a 16.3 kDa protein consisting of 145 amino acid residues.

Biological Activity

The ED_{50} as determined by the dose-dependent stimulation of thymidine uptake by 3T3 cells is ≤ 0.2 ng/ml corresponding to a specific activity of $\geq 5 \times 10^6$ 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

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

Recombinant Rat 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](#)

Recombinant Rat FGF-basic - Images