

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.

BiologicalActivity

The ED₅₀ as determined by the dose-dependent stimulation of thymidine uptake by 3T3 cells is \le 0.2 ng/ml corresponding to a specific activity of \ge 5 x 10⁶ 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

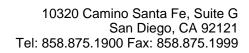
Precautions

Recombinant 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
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety





• <u>Cell Culture</u> **Recombinant Rat FGF-basic - Images**