

Animal-Free Recombinant Human FGF-acidic
Catalog # PBG10492**Specification**

Animal-Free Recombinant Human FGF-acidic - Product Information**Animal-Free Recombinant Human FGF-acidic - Additional Information****Description**

FGF-acidic 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-acidic is a non-glycosylated heparin binding growth factor that is expressed in the brain, kidney, retina, smooth muscle cells, bone matrix, osteoblasts, astrocytes and endothelial cells. FGF-acidic has the ability to signal through all the FGF receptors. Recombinant human FGF-acidic is a 16.0 kDa protein consisting of 141 amino acid residues.

Biological Activity

Assay #1: The **ED₅₀** as determined by the dose-dependent stimulation of thymidine uptake by BaF3 cells expressing FGF receptors is ≤ 10 ng/ml, corresponding to a specific activity of $\geq 1 \times 10^5$ units/mg.
Assay #2: The **ED₅₀** was determined by a cell proliferation assay using balb/c 3T3 cells is ≤ 0.5 ng/ml in the presence of 10 μ g/ml heparin, corresponding to a specific activity of $\geq 2 \times 10^6$ 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

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

Animal-Free Recombinant Human FGF-acidic - 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 Human FGF-acidic - Images