

Animal-Free Recombinant Murine FGF-basic

Catalog # PBG10568

Specification

Animal-Free Recombinant Murine FGF-basic - Product Information

Animal-Free Recombinant Murine 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 murine FGF-basic is a 16.3 kDa protein consisting of 145 amino acid residues.

BiologicalActivity

Assay #1: The ED₅₀ as determined by the dose-dependent stimulation of thymidine uptake by BaF3 cells expressing FGF receptors is ≤ 0.1 ng/ml corresponding to a specific activity of $\geq 1 \times 10$ ⁷ units/mg.
 Assay #2: The ED₅₀ was determined by a cell proliferation assay using balb/c 3T3 cells is ≤ 1.0 ng/ml, corresponding to a specific activity of $\geq 1 \times 10$ ⁶ 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

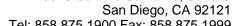
Animal-Free Recombinant Murine FGF-basic is for research use only and not for use in diagnostic or therapeutic procedures.

Animal-Free Recombinant Murine 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>
- <u>Immunofluorescence</u>
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

Animal-Free Recombinant Murine FGF-basic - Images