

Recombinant Human FGF-18

Catalog # PBG10094

Specification

Recombinant Human FGF-18 - Product Information

Recombinant Human FGF-18 - Additional Information

Description

FGF-18 is a heparin binding growth factor that belongs to 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-18 is an essential regulator of long bone and calvarial development. FGF-18 signals through FGFR 1c, 2c, 3c, and 4. Recombinant E.coli derived human FGF-18 is a 20.1 kDa protein consisting of 173 amino acid residues, resulting from c-terminal truncation of the full length protein.

BiologicalActivity

The ED₅₀ as determined by the dose-dependent stimulation of thymidine uptake by BaF3 cells expressing FGF-receptors is ≤ 0.5 ng/ml, corresponding to a specific activity of $\geq 2 \times 10 <$ sup>6</sup> 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

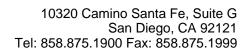
Precautions

Recombinant Human FGF-18 is for research use only and not for use in diagnostic or therapeutic procedures.

Recombinant Human FGF-18 - 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 Human FGF-18 - Images