

Animal-Free Recombinant Human FGF-8
Catalog # PBG10499**Specification**

Animal-Free Recombinant Human FGF-8 - Product Information**Animal-Free Recombinant Human FGF-8 - Additional Information****Description**

FGF-8 (FGF-8b) is a heparin binding growth factor belonging 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. There are 4 known alternate spliced forms of FGF8; FGF8A, FGF-8B, FGF-8E and FGF-8F. The human and murine FGF8 A and B are identical unlike human and M FGF8 E and F are 98% identical. FGF-8 targets mammary carcinoma cells and other cells expressing the FGF receptors. Recombinant human FGF-8 (FGF-8b) is a 22.5 kDa protein consisting of 194 amino acid residues.

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 $\geq 2 \times 10^6$ 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-8 is for research use only and not for use in diagnostic or therapeutic procedures.

Animal-Free Recombinant Human FGF-8 - 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-8 - Images