

Animal-Free Recombinant Human KGF (FGF-7)
Catalog # PBG10494**Specification**

Animal-Free Recombinant Human KGF (FGF-7) - Product Information**Animal-Free Recombinant Human KGF (FGF-7) - Additional Information****Description**

Keratinocyte Growth Factor (KGF/FGF-7) 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 variety of tissues, by promoting cellular proliferation and differentiation. KGF/FG-7 is a mitogen factor specific for epithelial cells and keratinocytes and signals through FGFR 2b. KGF/FGF-7 plays a role in kidney and lung development, angiogenesis, and wound healing. Recombinant human KGF/FGF-7 is an 18.9 kDa protein consisting of 163 amino acid residues.

BiologicalActivity

The ED_{50} as determined by the dose-dependent stimulation of thymidine uptake by KGF-responsive BaF3 cells is ≤ 10 ng/ml, corresponding to a specific activity of $\geq 1 \times 10^5$ 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 KGF (FGF-7) is for research use only and not for use in diagnostic or therapeutic procedures.

Animal-Free Recombinant Human KGF (FGF-7) - 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 KGF (FGF-7) - Images