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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 ED₅₀ 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 ≥ 1 x 10⁵ units/mg.

Authenticity
Verified by N-terminal and Mass Spectrometry analyses (when applicable).

Endotoxin
Endotoxin level is <0.1 ng/ µg of protein (<1EU/ µg).

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 Cytomety

- Cell Culture

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