

## Recombinant Human KGF (FGF-7)

Catalog # PBG10262

## Specification

## Recombinant Human KGF (FGF-7) - Product Information

#### 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.

#### **Biological**Activity

The <strong>ED</strong><sub>50</sub> as determined by the dose-dependent stimulation of thymidine uptake by KGF-responsive BaF3 cells is  $\leq 10$  ng/ml, corresponding to a specific activity of  $\geq 1 \times 10$ <sup>5</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**

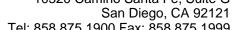
Recombinant Human KGF (FGF-7) is for research use only and not for use in diagnostic or therapeutic procedures.

# 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
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety







• Cell Culture

Recombinant Human KGF (FGF-7) - Images