

## Product Information Sheet

### Recombinant Human KGF

#### Animal-Free manufactured

**Catalog#** AF-100-19

**Source:** *E.coli*

**Description:** 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 a variety of tissues, by promoting cellular proliferation and differentiation. KGF/FGF-7 is a mitogen factor specific for epithelial cells and keratinocytes. KGF/FGF-7 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.

**Synonyms:** Keratinocyte Growth Factor, Fibroblast Growth Factor-7, HBGF-7

**Sequence:** CNDMTPEQMA TNVNCSSPER HTRSYDYMEG GDIRVRRFLC RTQWYLRIK RGKVKGTQEM KNNYNIMEIR TVAVGIVAIAK  
GVSEFYLAM NKEGKLYAKK ECNEDCNFKE LILENHNTY ASAKWTHNGG EMFVALNQKG IPVVRGKTKK EQKTAHFLPM AIT

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

**Purity:**  $\geq 95\%$  by SDS-PAGE gel and HPLC analyses.

**Endotoxin:** Endotoxin level is  $< 0.1$  ng/ $\mu$ g of protein ( $< 1$  EU/ $\mu$ g).

**Protein Content:** Verified by UV Spectroscopy and/or SDS-PAGE gel.

**Biological activity:** The ED<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  $\geq 1 \times 10^5$  units/mg.

For a list of references please visit our website at [www.peprotech.com](http://www.peprotech.com)

**Country of Origin:** USA

Lot-specific information is not available on Product Information Sheet.  
See Certificate of Analysis for details.

**Usage:** For Research Use Only. Not for use in diagnostic or therapeutic procedures.

Updated 05/15/2013

#### Storage/Stability:

Product Form	Temperature	Storage Time
Lyophilized	-20°C to -80°C	See expiration date
Lyophilized	4°C	6 months
Lyophilized	RT	1 month
Diluted as per CoA	-20°C to -80°C	3 months
Diluted as per CoA	2°C to 8°C	1 week
**Avoid repeated freeze-thaw cycles.		