

Certificate of Analysis

Recombinant Human KGF

Catalog# AF-100-19

Lot # 1008AF09

Expiration Date: November 2013

Source: *E.coli*

Animal-Free manufactured

Sequence: MCNDMTPEQM ATNVNCSSPE RHTRSYDYME
GGDIRVRRLF CRTQWYLRIK KRGKVKGTQE MKNNYNIMEI
RTVAVGIVAI KGVSEFYLA MNKEGKLYAK KECNEDCNFK
ELILENHYNT YASAKWTHNG GEMFVALNQG GIPVRGKTK
KEQKTAHFLP MAIT

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

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.

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

Endotoxin: Endotoxin level is < 0.1 ng / μ g KGF (< 1 EU/ μ g).

Formulation: Sterile filtered through a 0.2 micron filter. Lyophilized from 15 mM Sodium Phosphate pH 7.0 + 0.25 M NaCl.

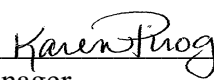
Reconstitution: Centrifuge the vial prior to opening. Reconstitute in 1x PBS to a concentration of 0.5-1.0 mg/ml. *Do not vortex.* This solution can be stored at 2-8°C for up to 1 week. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 10% Trehalose) and store in working aliquots at -20°C to -80°C.

Storage/Stability: The lyophilized protein is stable at room temperature for up to 1 month. Working aliquots stored with a carrier protein are stable for at least 3 months at -20°C to -80°C. Avoid repeated freeze/thaw cycles.

Biological activity: 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 $\geq 1 \times 10^5$ units/mg.

For a list of references using this product please visit our website at www.peprotech.com

Country of Origin: USA



QC Manager

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