

## PRODUCT INFORMATION SUMMARY

### Human KGF

Purified Factor	Product Number	HC88834B	10.0 ug
Purified Factor	Product Number	HC88834A	2.0 ug

#### DESCRIPTION:

Human Keratinocyte Growth Factor (KGF), also known as Fibroblast Growth Factor-7 (FGF-7) is a member of the FGF family of proteins that exert cellular proliferation and differentiation in many tissues. KGF is a growth factor specific for keratinocytes and epithelial cells and is involved in lung and kidney development and wound healing. Human KGF is a 163 aa. protein with 18.9 kDa molecular weight.

**SOURCE:** E. Coli  
Purity > 95% by HPLC analysis  
Endotoxin < 0.1 ng per ug KGF  
Sterile-filtered and lyophilized from PBS

#### BIOLOGICAL ACTIVITY:

This human KGF was observed to stimulate thymidine-uptake of BAF3 cells, with half maximal effect 10.0 ng/mL with specific activity of  $1 \times 10^5$  units/mg.

#### HANDLING AND STORAGE:

Purified Human KGF is provided lyophilized. Store lyophilized, at  $-20^{\circ}$  C. **Microcentrifuge** before reconstitution (see below). Upon reconstitution in 20 uL of PBS, further dilute in PBS or other buffered solutions. Store small aliquots, **with addition of 0.1% BSA**, at  $-20^{\circ}$  C for long-term storage, at high concentration.

**Before opening vial**, it is recommended to microcentrifuge vial for 30 seconds to spin-down any lyophilized material that may adhere to top of vial. The small amounts of protein may adhere to the vial as a very thin coat of lyophilized material, and may be difficult to see as a pellet.

#### WARRANTY:

Products sold hereunder are warranted only to conform to the quantity and contents stated on the label at the time of delivery to the customer. There are no warranties, expressed or implied, which extend beyond the description on the label of the product.

**RESEARCH USE ONLY -NOT for DRUG USE**