RECOMBINANT HUMAN
KERATINOCYTE GROWTH FACTOR

CATALOG NUMBER: GF008

LOT NUMBER: **xxxxxx**

QUANTITY: 10 μg

DESCRIPTION: Keratinocyte Growth Factor (KGF or FGF-7) is a potent mitogen for keratinocytes and epithelial cells. Human KGF is a 18.9 kDa protein containing 163 amino acid residues.

SOURCE: *E. coli*

PURITY: Greater than 95% by SDS-PAGE and HPLC analysis. Endotoxin level is less than 0.1 ng per μg (1EU/µg) of KGF.

ACTIVITY: The ED_{50} was 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 x 10^5 units/mg.

PRESENTATION: Lyophilized from 15 mM Sodium Phosphate pH 7.0 + 0.25 M NaCl.

STORAGE/HANDLING: The lyophilized powder, though stable for a few weeks at room temperature, is best stored at -20°C. After a quick spin, reconstitute in PBS to a concentration of 0.5-1.0 mg/mL. This solution can be diluted into other aqueous buffers and stored at 4°C for 1 week or -20°C for future use. Reconstituted KGF should be stored in undiluted aliquots at -20°C. Avoid repeated freeze/thaw cycles.

Important Note: *During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 μL or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.*

FOR RESEARCH USE ONLY; NOT FOR USE IN DIAGNOSTIC
PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION

28820 Single Oak Drive • Temecula, CA 92590
Technical Support: T: 1-800-MILLIPORE (1-800-645-5476) • F: 1-800-437-7502
www.millipore.com

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