

Recombinant Human Keratinocyte Growth Factor (KGF)

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Catalog Number:	PHG0094
Quantity:	10 µg
Lot Number:	See product label.
Molecular Weight:	18.9 kDa, 163 amino acid residues.
Purity:	≥95% by SDS PAGE and HPLC analyses.
Biological Activity:	ED ₅₀ ≤10 ng/mL (≥1 × 10 ⁵ units/mg). The biological activity was determined by measuring the dose-dependent stimulation of thymidine incorporation by KGF-responsive Baf3 cells. KGF, also known as FGF-7 and heparin-binding growth factor-7 (HBGF-7), is a member of the fibroblast growth factor family. KGF is secreted by fibroblast-like stromal cells in epithelial tissue, and is a potent mitogen for keratinocytes and epithelial cells, but not for fibroblasts and endothelial cells.
Formulation:	Lyophilized from 15 mM phosphate buffered saline, pH 7.0, with 0.25 M sodium chloride. Filtered through a 0.2 micron filter prior to lyophilization.
Endotoxin:	<0.1 ng/µg
Production:	Produced in <i>E. coli</i> and purified by sequential chromatography.
Reconstitution Recommendation:	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute KGF in 1X PBS to a concentration of 0.1–1.0 mg/mL. <i>Do not vortex</i> . This solution can be stored at 2°C to 8°C for up to 1 week. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein, such as 0.1% BSA and store in working aliquots at –20°C to –80°C.
Suggested Working Dilutions:	The optimal concentration should be determined for each specific application.
Storage:	The lyophilized protein is stable at room temperature for 1 month, but should be kept at –20°C for long term storage, preferably desiccated. 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.
Expiration Date:	See product label.

Explanation of Symbols

The symbols present on the product label are explained below:

Symbol	Description
	Catalog Number
	Research Use Only
	Use by
	Manufacturer
	Without, does not contain
	Protect from light
	Directs the user to consult instructions for use (IFU), accompanying the product.

Symbol	Description
	Batch code
	In vitro diagnostic medical device
	Temperature limitation
	European Community authorized representative
	With, contains
	Consult accompanying documents

Limited Use Label License: Research Use Only

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