

## Keratinocyte Growth Factor Mouse Recombinant

<b>Item Number</b>	rAP-2335
<b>Synonyms</b>	HBGF-7, FGF7, FGF-7, KGF, Keratinocyte growth factor, Fibroblast growth factor 7, Heparin-binding growth factor 7.
<b>Description</b>	Keratinocyte Growth Factor-1 Mouse Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 164 amino acids and having a molecular mass of 18.9 kDa. The FGF-7 is purified by proprietary chromatographic techniques.
<b>Uniprot Accesion Number</b>	P36363
<b>Amino Acid Sequence</b>	MCNDMSPEQT ATSVNCSSPE RHTRSYDYME GGDIVRRLRF CRTQWYLRLD KRGKVKGTQE MKN-SYNIMEI RTVAVGIVAI KGVESYLLA MNKEGKLYAK KECNEDCNFK ELILENHNT YASAKWTHSG GEMFVALNQQ GIPVKGKTK KEQKTAHFLP MAIT.
<b>Source</b>	Escherichia Coli.
<b>Physical Appearance and Stability</b>	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized KGF although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution FGF7 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).
<b>Formulation and Purity</b>	The protein was lyophilized from a concentrated (1mg/ml) solution containing 20mM Phosphate buffer pH-8 and 0.1M NaCl. Greater than 95.0% as determined by: (a) Analysis by HPLC.
<b>Application</b>	
<b>Solubility</b>	It is recommended to reconstitute the lyophilized KGF in sterile 18MΩ-cm H <sub>2</sub> O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
<b>Biological Activity</b>	The ED <sub>50</sub> , calculated by the dose-dependant stimulation of KGF-responsive BaF3 indicator cells (measured by 3H-thymidine uptake) is < 10ng/ml corresponding to a specific activity of 100,000 Units/mg.
<b>Shipping Format and Condition</b>	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**