

## FGF7

### Recombinant Human Keratinocyte Growth Factor/FGF-7

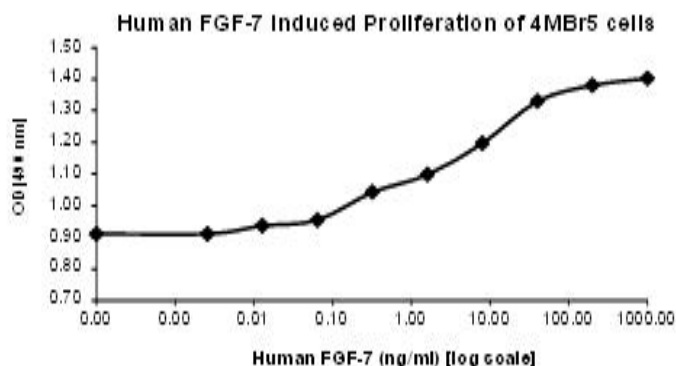
<b>Catalog No.</b>	CRK300A CRK300B CRK300C	<b>Quantity:</b>	2 µg 10 µg 1.0 mg
<b>Alternate Names:</b>	KGF, Fibroblast Growth Factor-7, HBGF-7, SDGF-3		
<b>Description:</b>	<p>Human KGF-1 also known as Fibroblast growth factor 7 (FGF-7), is a member of the fibroblast growth factor (FGF) family. FGF family members possess broad mitogenic and cell survival activities, and are involved in a variety of biological processes, including embryonic development, cell growth, morphogenesis, tissue repair, tumor growth and invasion. KGF/FGF-7 is a potent epithelial cell-specific growth factor, whose mitogenic activity is predominantly exhibited in keratinocytes but not in fibroblasts and endothelial cells.</p> <p>Recombinant Human KGF-1 is a single, non-glycosylated polypeptide chain containing 164 amino acids.</p>		
<b>Gene ID:</b>	2252		
<b>Protein Accession No.:</b>	P21781		
<b>Source:</b>	<i>E. coli</i>		
<b>Molecular Weight:</b>	19 kDa		
<b>Formulation:</b>	Lyophilized from a sterile filtered aqueous solution containing 10 mM sodium phosphate + 150 mM sodium chloride, pH 7.5.		
<b>Purity:</b>	> 90% by SDS-PAGE		
<b>Endotoxin Level:</b>	≤1 EU/µg of protein by kinetic LAL analysis		
<b>Biological Activity:</b>	Fully biologically active when compared to standard. The ED <sub>50</sub> determined by the dose-dependent proliferation of monkey 4MBr-5 cells is typically 2-3 ng/ml.		
<b>Specific Activity:</b>	> 5 x 10 <sup>5</sup> U/mg.		
<b>Amino Acid Sequence:</b>	MCNDMTPEQM ATNVNCSSPE RHTRSVDYME GGDIVRRLF CRTQWYLRID KRKVKGTQE MKNNYNIMEI RTVAVGIVAI KGVSEFYLA MNKEGKLYAK KECNEDCNFK ELILENHYNT YASAKWTHNG GEMFVALNQG GIPVRGKGTK KEQKTAHFLP MAIT		
<b>Reconstitution:</b>	<b>Centrifuge vial prior to opening.</b> Add sterile distilled water to a concentration of 0.1 mg/ml. <b>DO NOT VORTEX.</b> Allow several minutes for complete reconstitution. Further dilutions should be made in appropriate buffered solutions.		



**Storage & Stability:**

Lyophilized product is stable at room temperature for shipping purposes. Upon receipt, store desiccated at -20°C for up to 1 year.

Upon reconstitution, the preparation is stable for up to one month at 2-8°C. For long term storage, freeze in working aliquots and store at -20 to -80°C. For maximal stability, dilute to working aliquots in a 0.1% BSA solution. **Avoid repeated freeze-thaw cycles.**



NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

