

FGF7

Recombinant Human Keratinocyte Growth Factor/FGF-7

Catalog No.	CRK300A CRK300B CRK300C	Quantity:	2 µg 10 µg 1.0 mg
Alternate Names:	KGF, Fibroblast Growth Factor-7, HBGF-7, SDGF-3		
Description:	<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>		
Gene ID:	2252		
Protein Accession No.:	P21781		
Source:	<i>E. coli</i>		
Molecular Weight:	19 kDa		
Formulation:	Lyophilized from a sterile filtered aqueous solution containing 10 mM sodium phosphate + 150 mM sodium chloride, pH 7.5.		
Purity:	> 90% by SDS-PAGE		
Endotoxin Level:	≤1 EU/µg of protein by kinetic LAL analysis		
Biological Activity:	Fully biologically active when compared to standard. The ED ₅₀ determined by the dose-dependent proliferation of monkey 4MBr-5 cells is typically 2-3 ng/ml.		
Specific Activity:	> 5 x 10 ⁵ U/mg.		
Amino Acid Sequence:	MCNDMTPEQM ATNVNCSSPE RHTRSYDYME GGDIRVRRFL CRTQWYLRID KRGKVKGTQE MKNNYNIMEI RTVAVGIVAI KGVSEFYLA MNKEGKLYAK KECNEDCNFK ELILENHYNT YASAKWTHNG GEMFVALNQK GIPVRGKKT KEQKTAHFLP MAIT		
Reconstitution:	Centrifuge vial prior to opening. Add sterile distilled water to a concentration of 0.1 mg/ml. DO NOT VORTEX. 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.		

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