

Fgf7

Recombinant Mouse Fibroblast Growth Factor-7

Catalog No.	CRF157A CRF157B CRF157C	Quantity:	2 µg 10 µg 1.0 mg
Alternate Names:	Kgf		
Description:	<p>Recombinant Mouse Fibroblast Growth Factor-7 is a single, non-glycosylated polypeptide chain containing 163 amino acids.</p> <p>Background: Fibroblast Growth Factor-7 (FGF-7/KGF) is one of 23 known members of the FGF family. All FGFs have two conserved cysteine residues and share 30 - 50% sequence identity at the amino acid level. Proteins of this family play a central role during prenatal development and postnatal growth and regeneration of variety of tissues, by promoting cellular proliferation and differentiation. KGF-1/FG-7 is a mitogen factor specific for epithelial cells and keratinocytes and signals through FGFR 2b. KGF-1/FGF-7 plays a role in kidney and lung development, angiogenesis, and wound healing.</p>		
Gene ID:	14178		
Source:	<i>E. coli</i>		
Molecular Weight:	18.7 kDa		
Formulation:	Lyophilized from a 0.2 µm filtered solution in 20 mM PBS, pH 8.0 + 1M NaCl.		
Purity:	>96% by SDS-PAGE and HPLC analyses		
Endotoxin Level:	Less than 1 EU/µg of rMuKGF-1/FGF-7 as determined by LAL method.		
Biological Activity:	Fully biologically active when compared to standard. The ED ₅₀ determined by thymidine uptake assay using FGF-receptors transfected BaF3 cells is less than 10 ng/ml, corresponding to a specific activity of > 1.0 × 10 ⁵ IU/mg.		
Amino Acid Sequence:	CNDMSPEQTA TSVNCSSPER HTRSVDYMEG GDIRVRRLLFC RTQWYLRLDK RGKVKGTQEM KNSYNIMEIR TVAVGIVAIAK GVESEYLLAM NKEGKLYAKK ECNEDCNFKE LILENHYN TY ASAKWTHSGG EMFVALNQKG IPVKGKKTCK EQKTAHFLPM AIT		
Reconstitution:	Centrifuge vial prior to opening. Add sterile distilled water or aqueous buffer to a concentration of 0.1-1.0 mg/mL. Further dilutions should be made in appropriate buffered solutions.		
Storage & Stability:	This lyophilized preparation is stable at 2-8 °C, but should be kept at -20 °C for long term storage, preferably desiccated. Upon reconstitution, the preparation is stable for up to one week at 2-8 °C. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20 °C to -80 °C. Avoid repeated freeze/thaw cycles.		

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

