9051 Mira Mesa Blvd, #910094
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KGF Mouse

Keratinocye Growth Factor Mouse Recombinant
GRF0198

Product Overview

Name	KGF Mouse
Description	
Keratinocye Growth Factor Mouse Recombinant	
Accession (Primary)	P36363
Synonyms	
HBGF-7, FGF7, FGF-7, KGF, Keratinocyte growth factor, Fibroblast growth factor 7, Heparin-binding growth factor 7.	
Introduction	
KGF 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. FGF7 is a potent epithelial cell-specific growth factor, whose mitogenic activity is predominantly exhibited in keratinocytes but not in fibroblasts and endothelial cells. Studies of mouse and rat homologs of this gene implicated roles in morphogenesis of epithelium, reepithelialization of wounds, hair development and early lung organogenesis.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered White lyophilized (freeze-dried) powder.	
Formulation	
The protein was lyophilized from a concentrated (1mg/ml) solution containing 20mM Phosphate buffer pH-8 and 0.1M NaCl.	
Stability	
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). Please prevent freeze-thaw cycles.	
Purity	
Greater than 95.0% as determined by: (a) Analysis by HPLC. (b) Analysis by SDS-PAGE.	
Amino acid sequence	
MCNDMSPEQT ATSVNCSSPE RHTRSYDYME GGDIRVRRLF CRTQWYLRID KRGKVKGTQE MKNSYNIMEI	

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RTVAVGIVAI KGVESEYYLA MNKEGKLYAK KECNEDCNFK ELILENHYNT YASAKWTHSG GEMFVALNQK GIPVKGKKTK KEQKTAHFLP MAIT.

Biological Activity

The ED50, 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.

Solubility

It is recommended to reconstitute the lyophilized KGF in sterile 18MΩ-cm H2O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Precautions

KGF Mouse is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P36363)