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KGF Human, Plant

Keratinocyte Growth Factor Human Recombinant, Plant
GRF0197

Product Overview

Name	KGF Human, Plant
Description	
Keratinocyte Growth Factor Human Recombinant, Plant	
Accession (Primary)	P21781
Synonyms	
HBGF-7, FGF7, FGF-7, KGF.	
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	
Rice Grain	
Physical Appearance	
Sterile Filtered White lyophilized (freeze-dried) powder.	
Formulation	
Lyophilized KGF from a 0.2 μm filtered solution containing no stabilizers.	
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% as determined by SDS-PAGE.	
Biological Activity	
KGF has full biological activity when compared to standards. The activity is determined by the dose-dependent proliferation of HUVECs and is typically 10 ng/ml corresponding to a specific activity of 100 , 000U/mg.	

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Solubility

It is recommended to reconstitute the lyophilized KGF in sterile 18MΩ-cm at 100 µg/ml, which can then be further diluted to other aqueous solutions.

Precautions

KGF Human, Plant is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P21781)