Recombinant Mouse KGF (FGF7)

Cat No:HR2R2182

For research use only

Overview

Quantity	1.0 ?g
Gene Symbol	FGF7
Gene ID	14178
Accession	P36363
Alternative Name	KGF, Fibroblast growth factor 7, FGF-7, Heparin-binding growth factor 7, HBGF-7 Recombinant Mouse Keratinocyte Growth Factor (FGF7)
Species	Mouse
Source	E. coli
Description	KGF is a member of the family of fibroblast growth factors, it is secreted in large amounts by fibroblast- like stromal cells in epithelial tissues. The KGF receptor encodes a tyrosine kinase and is a member of the family of receptors binding aFGF and bFGF. Binding of KGF to its receptor is competed by aFGF and bFGF. Although KGF is a potent specific mitogen for many epithelial cells it is not so for fibroblasts and endothelial cells. KGF is thought to play an important role in the paracrine growth control of normal epithelial cells. KGF stimulates the proliferation of primary and secondary human keratinocytes to the same extent as EGF.
Functions	The ED(50) was determined by the dose-dependent proliferation of Immortalized Human Bronchial Epithelial Cells-SV40 and was found to be <0.05ng/mL.
Formulation	Lyophilized from a 0.2 ?m filtered solution in PBS
Solubility	A quick spin of the vial followed by reconstitution in distilled water to a concentration not less than 0.1 mg/mL. This solution can then be diluted into other buffers.
Appearance	Lyophilized Powder
Molecular Weight	19
Purity	>95% as determined by SDS-PAGE
Concentration	<1.0 EU/?g of recombinant protein as determined by the LAL method.
Shipping Condition	Ambient Temperature
Storage Condition	The lyophilized protein is stable for at least one year from date of receipt at -70?C. Upon reconstitution, this cytokine can be stored in working aliquots at 2? - 8?C for one month, or at -20?C for six months, with a carrier protein without detectable loss of activity. Avoid repeated freeze/thaw cycles.