Active Recombinant Human FGF7 Protein

Cat. No. FGF7-087H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The mature recombinant human KGF/FGF-7 protein consists of 163 amino acids (32-194) without tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	32-194 a.a.
Description	The protein encoded by this gene 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. This protein 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.
Bio-activity	Measured in a cell proliferation assay using 4MBr5 rhesus monkey epithelial cells. The ED50 for this effect is typically 6-60 ng/mL.
Molecular Mass	19 kDa
Product-Related	32-194

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Proteins	
Endotoxin	< 0.1 EU/μg of the protein as determined by the LAL method
Purity	> 95 % as determined by SDS-PAGE
Storage	At -80 centigrade. Avoid repeated freeze-thaw cycles.
Storage Buffer	PBS

GENE INFORMATION

Gene Name	FGF7 fibroblast growth factor 7 [Homo sapiens (human)]
Official Symbol	FGF7
Synonyms	FGF7; fibroblast growth factor 7; KGF; HBGF-7; fibroblast growth factor 7; Names; FGF-7; heparin-binding growth factor 7; keratinocyte growth factor
Gene ID	2252
mRNA Refseq	NM_002009
Protein Refseq	NP_002000
MIM	148180
UniProt ID	P21781

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