

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

## GENE INFORMATION

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

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