Recombinant Human Fibroblast Growth Factor 7

Cat. No. FGF7-5416H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human FGF7is Expressed in HEK 293 cells.
Species	Human
Source	HEK293
Description	FGF7 is expressedin human 293 cells as a monomeric glycoprotein with an apparent MW 17 and 30kDa. This cytokine is produced in a human cell expression system withserum-free, chemically defined media. Authentic glycosylation contributes tostability in cell growth media and other applications. The cytokine isgreater than 95% pure.
MolecularWeight	17 and 30 kDamonomer, glycosylated
Purity	> 95% The proteinwas resolved by SDS polyacrylamide gel electrophoresis and the gel wasstained with Coomassie blue.
Endotoxin Level	Endotoxin Free<1 EU/ug
Biological Activity	10 to 40 ng/mL ED50
Specific Activity	The specificactivity was determined by the dose-dependent stimulation of theproliferation of 4MBr-5 cells (monkey epithelial cell line).
OfficialSymbol	FGF7

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GENE INFORMATION

Gene Name	FGF7 fibroblast growth factor 7[Homo sapiens]
Synonyms	FGF7; fibroblastgrowth factor 7; KGF; HBGF-7;keratinocyte growth factor; FGF-7; OTTHUMP00000162252; heparin-binding growthfactor 7
Gene ID	2252
mRNA Refseq	NM_002009
Protein Refseq	NP_002000
MIM	148180
UniProt ID	P21781
Chromosome Location	15q15-q21.1
Pathway	Downstream signalingof activated FGFR; FGFR ligand binding and activation; FGFR2 ligand bindingand activation; FGFR2b ligand binding and activation; FRS2-mediated cascade; Glypican3 network; IRS-mediated signalling; IRS-related events; Insulin receptorsignalling cascade; MAPK signaling pathway; Melanoma; Negative regulation ofFGFR signaling; PI-3K cascade; Pathways in cancer; Phospholipase C-mediated cascade;SHC-mediated cascade
Function	chemoattractantactivity; growth factor activity; heparin binding; type 2 fibroblast growthfactor receptor binding
PDBrendering based on 1qqk.	

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