

# Recombinant Human Fibroblast Growth Factor 7

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

## SPECIFICATION

<b>Product Overview</b>	Recombinant human FGF7 is Expressed in HEK 293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	FGF7 is expressed in human 293 cells as a monomeric glycoprotein with an apparent MW 17 and 30 kDa. This cytokine is produced in a human cell expression system with serum-free, chemically defined media. Authentic glycosylation contributes to stability in cell growth media and other applications. The cytokine is greater than 95% pure.
<b>Molecular Weight</b>	17 and 30 kDa monomer, glycosylated
<b>Purity</b>	> 95% The protein was resolved by SDS polyacrylamide gel electrophoresis and the gel was stained with Coomassie blue.
<b>Endotoxin Level</b>	Endotoxin Free < 1 EU/ug
<b>Biological Activity</b>	10 to 40 ng/mL ED50
<b>Specific Activity</b>	The specific activity was determined by the dose-dependent stimulation of the proliferation of 4MBr-5 cells (monkey epithelial cell line).
<b>Official Symbol</b>	FGF7

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## GENE INFORMATION

<b>Gene Name</b>	FGF7 fibroblast growth factor 7[ Homo sapiens ]
<b>Synonyms</b>	FGF7; fibroblastgrowth factor 7; KGF; HBGF-7;keratinocyte growth factor; FGF-7; OTTHUMP00000162252; heparin-binding growthfactor 7
<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
<b>Chromosome Location</b>	15q15-q21.1
<b>Pathway</b>	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
<b>Function</b>	chemoattractantactivity; growth factor activity; heparin binding; type 2 fibroblast growthfactor receptor binding

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