

Recombinant Human Fibroblast Growth Factor 4

Cat. No. FGF4-681H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FGF4 is Expressed in HEK 293 cells.
Species	Human
Source	HEK293
Description	FGF4 is expressed in human 293 cells as a monomeric glycoprotein with an apparent MW 17 and 27 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.
Molecular Weight	17 and 27 kDa monomer, glycosylated
Purity	> 95% The protein was resolved by SDS polyacrylamide gel electrophoresis and the gel was stained with Coomassie blue.
Endotoxin Level	Endotoxin Free <1 EU/g
Biological Activity	0.50.25 to 1.25 ng/mL ED50
Specific Activity	The specific activity was determined by the dose-dependent stimulation of the proliferation of the Balb/3T3 cell line.
Official Symbol	FGF4

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GENE INFORMATION

Gene Name	FGF4 fibroblast growth factor 4[Homo sapiens]
Synonyms	FGF4; fibroblastgrowth factor 4; HST; KFGF; HST-1;HSTF1; K-FGF; HBGF-4; fibroblast growth factor 4; FGF-4; HSTF-1; oncogene HST;OTTHUMP00000237541; kaposi sarcoma oncogene; transforming protein KS3; heparin-bindinggrowth factor 4; heparin secretory transforming protein 1; heparinsecretory-transforming protein 1; fibroblast growth factor 4 splice isoform;human stomach cancer, transforming; factor from FGF-related oncogene
Gene ID	2249
mRNA Refseq	NM_002007
Protein Refseq	NP_001998
MIM	164980
UniProt ID	P08620
Chromosome Location	11q13.3
Pathway	Downstream signalingof activated FGFR; ESC Pluripotency Pathways; Endochondral Ossification; FGFRligand binding and activation; FRS2-mediated cascade; IRS-mediatedsignalling; IRS-related events; Insulin receptor signalling cascade; MAPKsignaling pathway; Melanoma; MicroRNAs in cardiomyocyte hypertrophy; PI-3Kcascade; Pathways in cancer; Phospholipase C-mediated cascade
Function	fibroblast growthfactor receptor binding; growth factor activity; heparin binding;

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