

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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



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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proteintyrosine kinase activity

**PDBrendering based
on 1ijt.**

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