Active Recombinant Human FGF4 Protein

Cat. No. FGF4-038H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The mature recombinant human FGF-4 protein consists of 153 amino acids (54-206) without tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	54-206 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 gene was identified by its oncogenic transforming activity. This gene and FGF3, another oncogenic growth factor, are located closely on chromosome 11. Co-amplification of both genes was found in various kinds of human tumors. Studies on the mouse homolog suggested a function in bone morphogenesis and limb development through the sonic hedgehog (SHH) signaling pathway.
Bio-activity	Measured in a cell proliferation assay using NR6R3T3 mouse fibroblast cells. The ED50 for this effect is 0.25-1.25 ng/mL.
Molecular Mass	19.7 kDa
Product-Related	54-206

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

GENE INFORMATION

Gene Name	FGF4 fibroblast growth factor 4 [Homo sapiens (human)]
Official Symbol	FGF4
Synonyms	FGF4; fibroblast growth factor 4; HST; KFGF; FGF-4; HST-1; HSTF1; K-FGF; HBGF-4; HSTF-1; fibroblast growth factor 4; Names; heparin secretory transforming protein 1; heparin-binding growth factor 4; human stomach cancer, transforming factor from FGF-related oncogene; kaposi sarcoma oncogene; oncogene HST; transforming protein KS3
Gene ID	2249
mRNA Refseq	NM_002007
Protein Refseq	NP_001998
MIM	164980
UniProt ID	P08620

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