

Recombinant Human FGF4

Cat. No. FGF4-28882TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 25/206 of Human FGF4 with sequence GRGGAAAPTA PNGTLEAELE RRWESLVALS LARLPVAAQP KEAAVQSGAG DYLLGIKRLR RLYCNVGIGF HLQALPDGRI GGAHADTRDS LLELSPVERG VVSIFGVASR FFVAMSSKGK LYGSPFFTDE CTFKEILLPN NYNAYESYKY PGMF
Species	Human
Source	E.coli
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.
Form	Lyophilised
Purity	>95% by SDS-PAGE
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

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Sequences of amino acids	GRGGAAAPTA PNGTLEAELE RRWESLVALS LARLPVAAQP KEAAVQSGAG DYLLGIKRLR RLYCNVGIGF HLQALPDGRI GGAHADTRDS LLELSPVERG VVSIFGVASR FFFVAMSSKGK LYGSPFFTDE CTFKEILLPN NYNAYESYKY PGMFIALSKN GKTKKGNRVS PTMKVTHFLP RL
Sequence Similarities	Belongs to the heparin-binding growth factors family.
GENE INFORMATION	
Gene Name	FGF4 fibroblast growth factor 4 [Homo sapiens]
Official Symbol	FGF4
Synonyms	FGF4; fibroblast growth factor 4; heparin secretory transforming protein 1 , HSTF1; HBGF 4; HST; HST 1; human stomach cancer; transforming factor from FGF related oncogene; K FGF; kaposi sarcoma oncogene; KFGF; transforming protein KS3;
Gene ID	2249
mRNA Refseq	NM_002007
Protein Refseq	NP_001998
MIM	164980
Uniprot ID	P08620
Chromosome Location	11q13.3
Pathway	Downstream signaling of activated FGFR, organism-specific biosystem; FGFR ligand

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binding and activation, organism-specific biosystem; FGFR1 ligand binding and activation, organism-specific biosystem; FGFR1c ligand binding and activation, organism-specific biosystem; FGFR2 ligand binding and activation, organism-specific biosystem;

Function

fibroblast growth factor receptor binding; growth factor activity; heparin binding; protein tyrosine kinase activity;

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