

Product datasheet for **TP723098**

FGF4 (NM_002007) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human fibroblast growth factor 4 (FGF4).
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	GRGGAAAPTA PNGTLEAELE RRWESLVALS LARLPVAAQP KEAAVQSGAG DYLLGIKRLR RLYCNVGIGF HLQALPDGRI GGAHADTRDS LLELSPVERG VVSIFGVASR FFVAMSSK GK LYGSPFFTDE CTFKEILLPN NYNAYESYKY PGMFIALSKN GKTKKGNRVS PTMKVTHFLP RL
Tag:	Tag Free
Predicted MW:	19.7 kDa
Concentration:	lot specific
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Lyophilized from a 0.2 μM filtered solution of 20mM phosphate buffer, 100mM NaCl, pH 7.2
Bioactivity:	Determined by a cell proliferation assay using Balb/c 3T3 cells. The expected ED50 is = 10 ng/ml, corresponding to a specific activity of = 1 × 10 ⁵ units/mg.
Endotoxin:	Endotoxin level is < 0.1 ng/μg of protein (< 1 EU/μg)
Storage:	Store at -80°C.
Stability:	Stable for at least 6 months from date of receipt under proper storage and handling conditions.
RefSeq:	NP_001998
Locus ID:	2249
UniProt ID:	P08620
RefSeq Size:	1219
Cytogenetics:	11q13.3
RefSeq ORF:	618
Synonyms:	FGF-4; HBGF-4; HST; HST-1; HSTF-1; HSTF1; K-FGF; KFGF



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Summary:

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. [provided by RefSeq, Jul 2008]

Protein Families:

Adult stem cells, Druggable Genome, Embryonic stem cells, ES Cell Differentiation/IPS, Induced pluripotent stem cells, Secreted Protein, Stem cell relevant signaling - Wnt Signaling pathway, Transmembrane

Protein Pathways:

MAPK signaling pathway, Melanoma, Pathways in cancer, Regulation of actin cytoskeleton

Product images: