

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 E. coli **Expression Host:** Expression cDNA Clone GRGGAAAPTA PNGTLEAELE RRWESLVALS LARLPVAAQP KEAAVQSGAG DYLLGIKRLR or AA Sequence: RLYCNVGIGF HLOALPDGRI GGAHADTRDS LLELSPVERG VVSIFGVASR FFVAMSSKGK LYGSPFFTDE CTFKEILLPN NYNAYESYKY PGMFIALSKN GKTKKGNRVS PTMKVTHFLP RL Tag Free Tag: Predicted MW: 19.7 kDa **Concentration:** lot specific **Purity:** >95% as determined by SDS-PAGE and Coomassie blue staining Lyophilized from a 0.2 µM filtered solution of 20mM phosphate buffer,100mM NaCl, pH 7.2 **Buffer: 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 $< 0.1 \text{ ng/}\mu\text{g}$ of protein ($< 1 \text{ EU/}\mu\text{g}$) Store at -80°C. Storage: Stability: Stable for at least 6 months from date of receipt under proper storage and handling conditions. NP 001998 **RefSeq:** 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



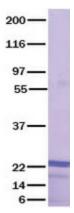
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Summary:	The protein encoded by this gene is a member of the fibroblast growth factor (FGF) family. FGF family members possess broad mitogenic and cell survival activities and are involved in a variety of biological processes including embryonic development, 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 Pathway	s: MAPK signaling pathway, Melanoma, Pathways in cancer, Regulation of actin cytoskeleton

Product images:



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