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Product datasheet for TP723876

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:	Human FGF4, the region of Ser54-Leu206, from gene Accession# NM_002007
Tag:	Tag Free
Predicted MW:	19.7 kDa
Concentration:	lot specific
Purity:	>95%, as determined by Coomassie stained SDS-PAGE
Buffer:	1 x PBS
Bioactivity:	The ED50 is 0.2-1 ng/ml, corresponding to a specific activity 1-5 x 106 units/mg, determined by a dose-dependent stimulation of NIH3T3 cell proliferation.
Endotoxin:	Less than 0.01 ng per μg protein as determined by the LAL method
Storage:	Store at -80°C.
Stability:	Unopened vial can be stored between 2°C and 8°C for up to 2 weeks, at -20°C for up to 6 months, or at -70°C or below until the expiration date. Aliquots can be stored between 2°C and 8°C for up to one week and stored at -20°C or colder for up to 3 months. Avoid repeated freeze/thaw cycles.
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