Bioactive

FGF4 (Human) Recombinant Protein

Catalog # P6353 Size 100 ug

Specification

Product Description	Human FGF4 (P08620) recombinant protein expressed in *E. Coli*.
Sequence	LRPGDCEVCISYLGRFYQDLKDRDVTFSPATIENELIKFCREARGKENRLCYYIGATDDAATKIINEV SKPLAHHIPVEKICEKLKKKDSQICELKYDKQIDLSTVDLKKLRVKELKKILDDWGETCKGCAEKS DYIRKINELMPKYAPKAASARTDL
Host	Escherichia coli
Theoretical MW (kDa)	17
Form	Lyophilized
Purity	> 95%
Endotoxin Level	<= 1 EUs/ug (LAL gel clot method)
Activity	Determined by the ability to stimulate the proliferation of rat C6 cells. The expected ED_{50} for this effect is 15-25 ug/mL.
Storage Buffer	Lyophilized from PBS, pH 7.2.
Storage Instruction	Stored at -20°C to-80°C. After reconstitution with sterile water not less than 0.1 mg/mL, store at -20°C to -80°C for 6 months, store at 4°C for 1 month. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot
- Functional Study

Gene Info — FGF4

Entrez GeneID	2249
Protein Accession#	P08620
Gene Name	FGF4
Gene Alias	HBGF-4, HST, HST-1, HSTF1, K-FGF, KFGF
Gene Description	fibroblast growth factor 4
Omim ID	164980
Gene Ontology	Hyperlink
Gene 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
Other Designations	heparin secretory transforming protein 1|human stomach cancer, transforming factor from FGF-related oncogene|kaposi sarcoma oncogene|oncogene HST|transforming protein KS3

Pathway

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

Disease

- Chorioamnionitis
- Cleft Lip
- Cleft Palate

- Colorectal Neoplasms
- Fetal Membranes
- Genetic Predisposition to Disease
- Obstetric Labor
- Pre-Eclampsia
- Premature Birth
- Stomach Neoplasms