

Product datasheet for TP723099

FGF5 (NM_004464) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human fibroblast growth factor 5 (FGF5), transcript variant 2.
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MAWAHGKRL APKGQPGPAA TDRNPIGSSS RQSSSSAMSS SSASSSPAAS LGSQGSGLAQ SSFQWSPSGR RTGSLYCRVG IGFHLQIYPD GKVNGSHEAN MLSVLEIFAV SQGIVGIRGV FSNKFLAMSK KGKLHASAKF TDDCKFRERF QENSYNTYAS AIHRTEKTGR EWYVALNKRK KAKRGCSPRV KPQHISTHFL PRFKQSEQPE LSFTVTVPEK KNPPSPIKSK IPLSAPRKNT NSVKYRLKFR FG
Tag:	Tag Free
Predicted MW:	27.6 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 20 mM phosphate buffer, 100 mM NaCl, pH 7.2
Bioactivity:	ED50 as determined by the dose-dependent stimulation of thymidine uptake by BaF3 cells expressing FGF-receptors is less than or equal to 0.5 ng/ml, corresponding to a specific activity of > 2 x 10 ⁶ 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_004455
Locus ID:	2250
UniProt ID:	P12034 , Q8NBG6
RefSeq Size:	5295
Cytogenetics:	4q21.21
RefSeq ORF:	369



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Synonyms: HBGF-5; Smag-82; TCMGLY

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 as an oncogene, which confers transforming potential when transfected into mammalian cells. Targeted disruption of the homolog of this gene in mouse resulted in the phenotype of abnormally long hair, which suggested a function as an inhibitor of hair elongation. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome, Secreted Protein

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