

Recombinant Human FGF5

Cat. No. FGF5-28880TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FGF-5, a 27.6 kDa protein consisting of 252 amino acid residues.
Species	Human
Source	E.coli
Description	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.
Tissue specificity	Expressed in neonatal brain.
Form	Lyophilised:Centrifuge the vial prior to opening.Reconstitute in 1x PBS, pH 7.2 to a concentration of 0.5–1.0 mg/ml.This solution can then be diluted into other aqueous buffers and stored at 4°C for 1 week or -20°C for future use.Repeated freeze thaw cycl
Purity	>95% by SDS-PAGE

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Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Sequences of amino acids	MAWAHGEKRL APKGQPGPAA TDRNPIGSSS RQSSSSAMSS SSASSSPAAS LGSQGSGLEQ SSFQWSPSGR RTGSLYCRVG IGFHLQIYPD GKVNGSHEAN MLSVLEIFAV SQGIVGIRGV FSNKFLAMSK KGKLHASAKF TDDCKFRERF QENSYNTYAS AIHRTEKTGR EWYVALNKRK KAKRGCSPRV KPQHISTHFL PRFKQSEQPE LSFTVTVPK KNPPSPIKSK IPLSAPRKNT NSVKYRLKFR FG
Sequence Similarities	Belongs to the heparin-binding growth factors family.
GENE INFORMATION	
Gene Name	FGF5 fibroblast growth factor 5 [Homo sapiens]
Official Symbol	FGF5
Synonyms	FGF5; fibroblast growth factor 5;
Gene ID	2250
mRNA Refseq	NM_004464
Protein Refseq	NP_004455
MIM	165190
Uniprot ID	P12034
Chromosome Location	4q21

Pathway	Downstream signaling of activated FGFR, organism-specific biosystem; FGFR ligand binding and activation, organism-specific biosystem; FGFR1 ligand binding and activation, organism-specific biosystem; FGFR1c ligand binding and activation, organism-specific biosystem; FGFR2 ligand binding and activation, organism-specific biosystem;
Function	fibroblast growth factor receptor binding; growth factor activity; protein tyrosine kinase activity;

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