Recombinant Human FGF19

Cat. No. FGF19-27597TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant FGF19 fragment (Human) containing 195 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 growth factor is a high affinity, heparin dependent ligand for FGFR4. Expression of this gene was detected only in fetal but not adult brain tissue. Synergistic interaction of the chick homolog and Wnt-8c has been shown to be required for initiation of inner ear development.
Tissue specificity	Expressed in fetal brain, cartilage, retina, and adult gall bladder.
Form	Lyophilised:Centrifuge the vial prior to opening.Reconstitute in water to a concentration of 0.1-1.0 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 cycles will r
Purity	>95% by SDS-PAGE
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

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Sequences of amino acids	MRPLAFSDAG PHVHYGWGDP IRLRHLYTSG PHGLSSCFLR IRADGVVDCA RGQSAHSLLE IKAVALRTVA IKGVHSVRYL CMGADGKMQG LLQYSEEDCA FEEEIRPDGY NVYRSEKHRL PVSLSSAKQR QLYKNRGFLP LSHFLPMLPM VPEEPEDLRG HLESDMFSSP LETDSMDPFG LVTGLEAVRS PSFEK
Sequence Similarities	Belongs to the heparin-binding growth factors family.

GENE INFORMATION

Gene Name	FGF19 fibroblast growth factor 19 [Homo sapiens]
Official Symbol	FGF19
Synonyms	FGF19; fibroblast growth factor 19;
Gene ID	9965
mRNA Refseq	NM_005117
Protein Refseq	NP_005108
MIM	603891
Uniprot ID	O95750
Chromosome Location	11q13.1
Pathway	Downstream signaling of activated FGFR, organism-specific biosystem; FGF signaling pathway, organism-specific biosystem; FGFR ligand binding and activation, organism-specific biosystem; FGFR4 ligand binding and activation, organism-specific

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	biosystem; FRS2-mediated cascade, organism-specific biosystem;
Function	fibroblast growth factor receptor binding; growth factor activity; protein binding; protein tyrosine kinase activity;

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