

Recombinant Active Human FGF19 Protein, His-tagged(C-ter)

Cat. No. FGF19-75H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Active Human FGF19 Protein with His tag (C-ter) was expressed in E. coli.
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. [provided by RefSeq, Jul 2008]
Form	Powder
Bio-activity	Determined by its ability to induce 3T3 cells proliferation. The ED50 for this effect is < 51 ng/mL.
AA Sequence	MRPLAFSDAGPHVHYGWGDPRLRLHLYTSGPHGLSSCFLRIRADGVVDCARGQSA HSLLEIKAVALRTVAIKGVHVSRYLCMGADGKMQLLQYSEEDCAFEIEIRPDGYNV YRSEKHRLPVSLSSAKQRQLYKNRGFLPLSHFLPMLPMVPEEPEDLRGHLESDMFS SPLETDSMDPFGLVTGLEAVRSPSFEK

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Endotoxin	Endotoxin level is less than 0.1 EU/μg of the protein, as determined by the LAL test.
Purity	> 95% (by SDS-PAGE)
Applications	SDS-PAGE
Notes	For laboratory research only, not for drug, diagnostic or other use.
Storage	Lyophilized protein should be stored at -20°C. After reconstitution, aliquot and store at -20°C or -80°C for up to one month. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening.
Storage Buffer	PBS (pH 8.0)
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 100 μg/mL and incubate the stock solution for at least 20 min at room temperature to make sure the protein is dissolved completely.

GENE INFORMATION

Gene Name	FGF19 fibroblast growth factor 19 [Homo sapiens]
Official Symbol	FGF19
Synonyms	FGF19; fibroblast growth factor 19; FGF-19;
Gene ID	9965
mRNA Refseq	NM_005117

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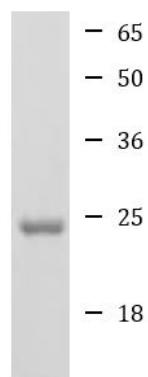
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Protein Refseq NP_005108

MIM 603891

UniProt ID O95750

SDS-PAGE



Human FGF19
recombinant protein

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