

# Recombinant Full Length Human FGF19 Protein, C-Flag-tagged

**Cat. No.** FGF19-857HFL    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Full Length Human FGF19 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
<b>Species</b>	Human
<b>Source</b>	Mammalian Cells
<b>Description</b>	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.
<b>Form</b>	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
<b>Molecular Mass</b>	21.6 kDa
<b>AA Sequence</b>	MRSGCVVHVWILAGLWLVAVAGRPLAFSDAGPHVHYGWGDPPIRLRHLYTSGPHGL SSCFLRIRADGVVDC ARGQSAHSLLLEIKAVALRTVAIKGVHVSRYLCMGADGKMQG LLQYSEEDCAFEIIIIRPDGYNVYRSEKHR LPVSLSSAKQRQLYKNRGFLPLSHFLP MLPMVPEEPEDLRGHLESDMFSSPLETDSMDPFGLVTGLEAVR

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SPSFEKTRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining.

**Stability** Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

**Storage** Store at -80 centigrade.

**Concentration** >50 ug/mL as determined by microplate BCA method.

**Preparation** Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

**Protein Families** Adult stem cells, Druggable Genome, Embryonic stem cells, ES Cell Differentiation/IPS, Secreted Protein, Transmembrane

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

**Full Length** Full L.

## GENE INFORMATION

**Gene Name** FGF19 fibroblast growth factor 19 [ Homo sapiens (human) ]

**Official Symbol** FGF19

**Synonyms** fibroblast growth factor 19

**Gene ID** 9965

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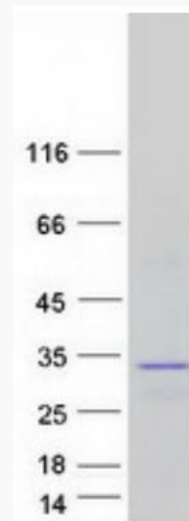
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mRNA Refseq [NM\\_005117.3](#)

Protein Refseq [NP\\_005108.1](#)

MIM [603891](#)

UniProt ID [O95750](#)



Coomassie blue staining of purified FGF19 protein.

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