

# 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>      | MRSGCVVHVHWILAGLWLAVAGRPLAFSDAGPHVHYGWGDPIRLRHLYTSGPHGL<br>SSCFLRIRADGVVDC ARGQSAHSLLLEIKAVALLRTVAIKGVHVSRYLCMGADGKMQG<br>LLQYSEEDCAFEIIIIRPDGYNVYRSEKHR LPVSLSSAKQRQLYKNRGFLPLSHFLP<br>MLPMVPEEPEDLRGHLESDFSSPLETDSMDPFGLVTGLEAVR                                                                                                                                                                                                                                                                                                                                                                                       |

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|                         |                                                                                                                                               |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
|                         | SPSFEKTRTRPLEQKLISEEDLAANDILDYKDDDDKV                                                                                                         |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining.                                                                                  |
| <b>Stability</b>        | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| <b>Storage</b>          | Store at -80 centigrade.                                                                                                                      |
| <b>Concentration</b>    | >50 ug/mL as determined by microplate BCA method.                                                                                             |
| <b>Preparation</b>      | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.                              |
| <b>Protein Families</b> | Adult stem cells, Druggable Genome, Embryonic stem cells, ES Cell Differentiation/IPS, Secreted Protein, Transmembrane                        |
| <b>Protein Pathways</b> | MAPK signaling pathway, Melanoma, Pathways in cancer, Regulation of actin cytoskeleton                                                        |
| <b>Full Length</b>      | Full L.                                                                                                                                       |

## GENE INFORMATION

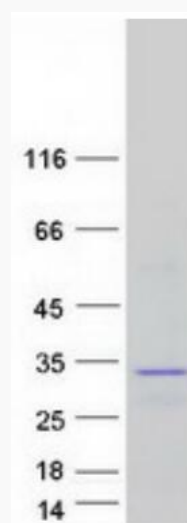
|                        |                                                            |
|------------------------|------------------------------------------------------------|
| <b>Gene Name</b>       | FGF19 fibroblast growth factor 19 [ Homo sapiens (human) ] |
| <b>Official Symbol</b> | FGF19                                                      |
| <b>Synonyms</b>        | fibroblast growth factor 19                                |
| <b>Gene ID</b>         | 9965                                                       |

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|                       |             |
|-----------------------|-------------|
| <b>mRNA Refseq</b>    | NM_005117.3 |
| <b>Protein Refseq</b> | NP_005108.1 |
| <b>MIM</b>            | 603891      |
| <b>UniProt ID</b>     | O95750      |



Coomassie blue staining of purified FGF19 protein.

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