

## Recombinant Human FGF19, FLAG-tagged

**Cat. No.** FGF19-251H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Signal peptide and human FGF-19 (aa 1-216) are fused at the C-terminus to a FLAG-tag.                                                                                                                                                                                                                                                                                                                            |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>ProteinLength</b>    | 1-216 a.a.                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Description</b>      | FGF-19 (Fibroblast growth factor 19) is involved in the suppression of bile acid biosynthesis through down-regulation of CYP7A1 expression, following positive regulation of the JNK and ERK1/2 cascades. Stimulates glucose uptake in adipocytes. FGF-19 plays an important role in brain development during embryogenesis. FGF-19 binds only to FGF receptor 4 (FGFR4). Activity requires the presence of KLB. |
| <b>Form</b>             | Lyophilized from 0.2µm-filtered solution in PBS, pH 7.2.                                                                                                                                                                                                                                                                                                                                                         |
| <b>Molecular Mass</b>   | ~26kDa (SDS-PAGE)                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Purity</b>           | ≥90% (SDS-PAGE)                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Stability</b>        | Stable for at least 6 months after receipt when stored at -20°C. Working aliquots are stable for up to 3 months when stored at -20°C.                                                                                                                                                                                                                                                                            |

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**Storage**

Short Term Storage: +4°C; Long Term Storage: -20°C. After reconstitution, prepare aliquots and store at -20°C. Avoid freeze/thaw cycles.

**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

**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 biosystem; FRS2-mediated cascade, organism-specific biosystem; IRS-mediated signalling, organism-specific biosystem; IRS-related events, organism-specific biosystem;

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**Function**

fibroblast growth factor receptor binding; growth factor activity; protein binding; protein tyrosine kinase activity;

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