# Recombinant Human FGF19 Protein, Fc-tagged

**Cat. No.** FGF19-28824TH **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Recombinant Human FGF19(aa 1-216) fused with the C-terminus the Fc portion of human IgG1 was expressed in HEK 293 cells. |
| **Species** | Human |
| **Source** | E.coli |
| **ProteinLength** | aa 1-216 |
| **Description** | 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. |
| **Form** | Lyophilized from 0.2μm-filtered solution in PBS, pH 7.2. |
| **Molecular Mass** | ~50kDa (SDS-PAGE) |
| **Endotoxin** | <0.1EU/μg purified protein (LAL test; Lonza). |
| **Purity** | ≥90% (SDS-PAGE) |
| **Stability** | Stable for at least 6 months after receipt when stored at -20 centigrade. Working |

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| | aliquots are stable for up to 3 months when stored at -20 centigrade. |
| **Storage** | Short Term Storage +4 centigrade;<br>Long Term Storage -20 centigrade;<br>After reconstitution, prepare aliquots and store at -20 centigrade. Avoid freeze/thaw cycles. |
| **Reconstitution** | Reconstitute in distilled water. |

## GENE INFORMATION

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| **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 |

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