

Recombinant Human FGF19 Protein, Fc-tagged

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

SPECIFICATION

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;
 Long Term Storage -20 centigrade;
 After reconstitution, prepare aliquots and store at -20 centigrade. Avoid freeze/thaw cycles.

Reconstitution

Reconstitute in distilled water.

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

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