

Recombinant Human FGF19, FLAG-tagged

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

SPECIFICATION

Product Overview	Signal peptide and human FGF-19 (aa 1-216) are fused at the C-terminus to a FLAG-tag.
Species	Human
Source	HEK293
ProteinLength	1-216 a.a.
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	~26kDa (SDS-PAGE)
Purity	≥90% (SDS-PAGE)
Stability	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.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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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