

## HUMAN FGF-19 (N-6HIS) PROTEIN

**Cat.#:** 12084

**Product Name:** Human FGF-19 (N-6His) Protein

**Size:** 10 µg, 50 µg and 100 µg

**Synonyms:** Fibroblast growth factor 19;FGF-19;FGF19

**Target:** FGF-19

**UNIPROT ID:** O95750

**Description:** Recombinant Human Fibroblast Growth Factor 19 is produced by our E.coli expression system and the target gene encoding Phe27–Lys216 is expressed with a 6His tag at the N-terminus.

**Background:** Fibroblast growth factor 19 (FGF19) is a secreted protein which belongs to the FGFs family. FGF19 is expressed in fetal brain, cartilage, retina, and adult gall bladder. FGFs modulate cellular activity via at least 5 distinct subfamilies of high-affinity FGF receptors (FGFRs): FGFR-1, -2, -3, and -4, all with intrinsic tyrosine kinase activity. FGFRs can be important for regulation of glucose and lipid homeostasis. FGF19 has important roles as a hormone produced in the ileum in response to bile acid absorption. It has been shown to cause resistance to diet-induced obesity and insulin desensitization and to improve insulin, glucose, and lipid profiles in diabetic rodents. FGF19 can be considered as a regulator of energy expenditure.

**Species/Host:** E.coli

**Molecular Weight:** 23.5 KDa

**Molecular Characterization:** Not available

**Purity:** Greater than 95% as determined by reducing SDS-PAGE.

**Formulation & Reconstitution:** Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

**Storage & Shipping:** Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

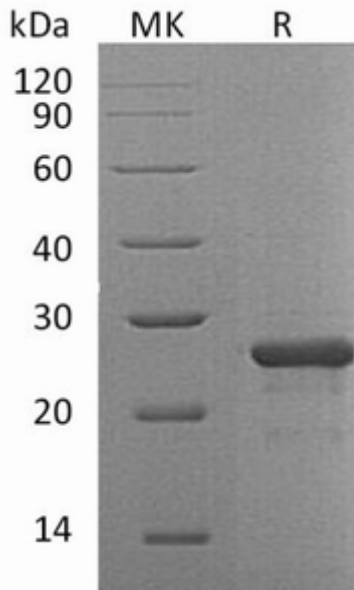


Figure 1. Greater than 95% as determined by reducing SDS-PAGE.