

# Human FGF 19 Recombinant Protein



RPPB0238

---

## Product Information    Protein Information

**Product SKU:**

RPPB0238

**Accession:**

O95750

**Host:**

Escherichia Coli.

**Protein description:**

FGF19 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 195 amino acids and having a molecular mass of 21.8 kDa. The FGF-19 is purified by proprietary chromatographic techniques.

**Appearance:**

Filtered white lyophilized powder.

**Synonyms:**

Fibroblast growth factor 19, FGF-19, FGF19.

**Formulation:**

Filtered (0.2µm) and lyophilized from 1mg/ml in 1xPBS, pH 7.4.

**Purity:**

Greater than 95.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

**Solubility:**

It is recommended to reconstitute the lyophilized FGF-19 in sterile 18M-cm H<sub>2</sub>O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

**Stability:**

Lyophilized FGF-19 Human Recombinant although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Fibroblast Growth Factor-19 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

**Amino Acid Sequence:**

MRPLAFSDAG PHVHYGWGDP IRLRHLYTSG PHGLSSCFIR IRADGVVDCA RGQSAHSLLE IKAVALRTVA  
IKGVHVSRYL CMGADGKMQG LLQYSEEDCA FEEIRPDGY NVYRSEKHLR PVSLSAKQR QLYKNRGLP  
LSHFLPMLPM VPEEPDLRG HLESDFSSP LETSMDPFG LVTGLEAVRS PSFEK.

**Biological Activity:**

The ED<sub>50</sub> as determined by the dose-dependent stimulation of the proliferation of balb/c 3T3 cells is 100-150ng/ml.