

# Rat FGF 21 Recombinant Protein



RPPB0246

---

## Product Information    Protein Information

**Product SKU:**

RPPB0246

**Host:**

Escherichia Coli.

**Protein description:**

FGF 21 Rat Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 180 amino acids and having a molecular mass of 19.7kDa. The FGF 21 is purified by proprietary chromatographic techniques.

**Appearance:**

Sterile Filtered White lyophilized (freeze-dried) powder.

**Synonyms:**

Fibroblast growth factor 21, FGF-21.

**Formulation:**

Lyophilized from a 0.2µm filtered concentrated solution in 1×PBS, 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 21 Rat Recombinant 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 21 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution FGF 21 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:**

AYPISDSSPL LQFGGQVRQR YLYTDDDQDT EAHLEIREDG TVVGTahrsp ESLELkalk PGVIQILGVK  
ASRFLCQQPD GTLYGSPHFD PEACSFRELL LKDGYNVYQS EAHGLPLRLP QKDSQDPATR GPVRFPLMPG  
LPHEPQEQPG VLPPEPPDVG SSDPLSMVEP LQGRSPSYAS

**Biological Activity:**

The ED<sub>50</sub> determined by a cell proliferation assay using murine NIH/3T3 cells is less than 700 ng/ml, corresponding to a specific activity of > 1.4 × 1000 IU/mg in the presence of 5µg/ml of rMuKlotho-beta.