

## PRODUCT DATA SHEET

### Fibroblast Growth Factor 21 Human E. coli Tag free

**Cat. No.:** RD172108100-B

**Size:** 0.1 mg

**Source:** E. coli

**Type:** Recombinant protein

**Species:** Human

**Other Names:**

FGF-21, UNQ3115/PRO10196

**Description:**

Total 182 AA. Mw: 19.7 kDa (calculated). UniProtKB acc.no. Q9NSA1. 181AA of the Human FGF21 and one extra AA, N-terminal methionin.

**Amino Acid Sequence:**

MHPIDSSPL LQFGGQVRQR YLYTDDAQQT EAHLEIREDG TVGGAADQSP ESSLQLKALK  
PGVIQILGVK TSRFLCQRPD GALYGSLHFD PEACSFRELL LEDGYNVYQS EAHGLPLHLP  
GNKSPHRDPA PRGPARFLPL PGLPPALPEP PGILAPQPPD VGSSDPLSMV GPSQGRSPSY AS

**Purity:**

> 90 % by SDS-PAGE

**Endotoxin:**

< 1.0 EU/μg

**Formulation:**

Filtered (0.4 μm) and lyophilized in 0.5 mg/mL in 20mM TRIS, 50mM NaCl, pH 7.5

**Reconstitution:**

Add 200 μl of deionized water to prepare a working stock solution of approximately 0.5 mg/ml and let the lyophilized pellet dissolve completely. Add DTT (0.2 mM) and NaCl (0.1–0.15 M) before freezing to prevent potential aggregation.

**Shipping:**

At ambient temperature. Upon receipt, store the product at the temperature recommended below.

**Storage/Stability:**

Store the lyophilized protein at -80 °C. Lyophilized protein remains stable until the expiry date when stored at -80 °C. Aliquot reconstituted protein to avoid repeated freezing/thawing cycles and store at -80 °C for long term storage. Reconstituted protein can be stored at 4 °C for a week.

**Quality Control:**

BCA to determine quantity of the protein.  
SDS PAGE to determine purity of the protein.  
Endotoxin level determination.

**Applications:**

ELISA, Western blotting

**Note:**

This product is intended for research use only.