

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.