

PRODUCT DATA SHEET

Fibroblast Growth Factor 21 Human E. coli

Cat. No.: RD172108100

Size: 0.1 mg

Source: E. coli

Type: Recombinant protein

Species: Human

Other Names:

FGF-21, UNQ3115/PRO10196

Description:

Total 195 AA. Mw: 20.1 kDa (calculated). UniProtKB acc.no. Q9NSA1. N-Terminal His-tag, 14 extra AA.

Amino Acid Sequence:

MRGSHHHHHH GMASHPIPDS SPLLQFGGQV RQRYLYTDDA QQTEAHLEIR EDGTVGGAAD
QSPESLLQLK ALKPGVIQIL GVKTSRFLCQ RPDGALYGSL HFDPEACSFH ELLLEDGYNV
YQSEAHGLPL HLPGNKSPHR DPAPRGPARE LPLPGLPPAP PEPPGILAPQ PPDVGSSDPL
SMVGPSQGRS PSYAS

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 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.