

PRODUCT DATASHEET

Fibroblast growth factor 7 Human E. coli

Cat. No.: RD172575100

Type: Recombinant protein

Size: 0.1 mg

Source: E. coli

Species: Human

Description

Total 171 AA. MW: 20.0 kDa (calculated). UniProtKB acc. no. P21781 (Cys32-Thr194). N-terminal His-tag (8 extra AA). Protein identity confirmed by LC-MS/MS.

Other names

FGF-7, Heparin-binding growth factor 7, HBGF-7, Keratinocyte growth factor, FGF7, KGF

Amino Acid sequence

MKHHHHHHHCN DMTPEQMATN VNCSSPERHT RSYDYMEGGD IRVRRFCRT QWYLRIDKRG KVKGTQEMKN NYNIMEIRTV
AVGIVAIGKV ESEFYLAMNK EGKLYAKKEC NEDCNFKELI LENHYNTYAS AKWTHNGGEM FVALNQGIP VRGKTKKEQ
KTAHFLPMAI T

Purity

Purity as determined by densitometric image analysis: > 95 %

Endotoxin

< 0.1 EU/μg

Formulation:

Filtered (0.4 μm) and lyophilized from 0.5 mg/ml solution in 20 mM Tris buffer, 150 mM 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.

Shipping

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

Storage, Stability/Shelf Life

Store 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.

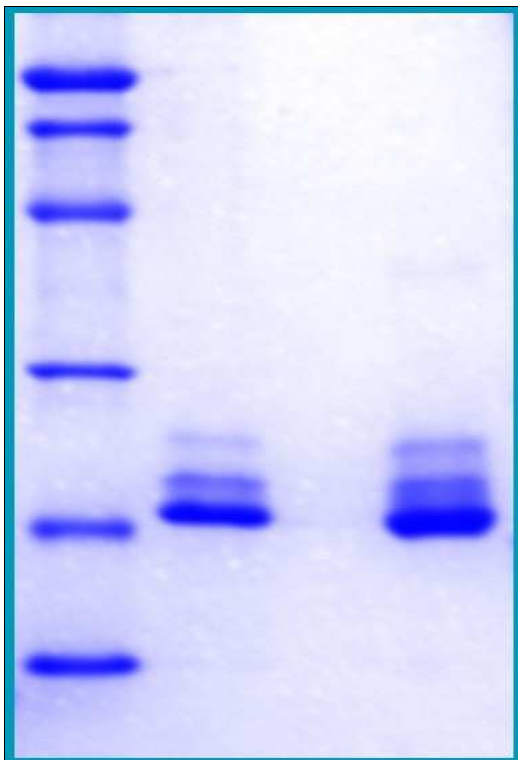
LAL to determine quantity of endotoxin.

Applications

ELISA, Western blotting

Note

This product is intended for research use only.



14 % SDS-PAGE separation of Fibroblast growth factor 7
Human E. coli:

1. M.W. marker – 14, 21, 31, 45, 66, 97 kDa
2. Reduced and boiled sample, 2.5 $\mu\text{g}/\text{lane}$
3. Non-reduced and non-boiled sample, 2.5 $\mu\text{g}/\text{lane}$