

## FGF-18 Human E. coli

### Product Data Sheet

**Type:** Recombinant

**Source:** E. coli

**Species:** Human

**Other names:** Fibroblast Growth Factor-18, zFGF5, FGF1

**Cat. No.:**

RD172393100

(0.1 mg)

### Description

Total 190 AA. MW: 22.3 kDa (calculated). UniProtKB acc.no. O76093 (Glu28-Ala207). N-terminal his-tag (10 extra AA). Protein identity confirmed by LC-MS/MS.

### Research topic

Cardiovascular disease, Coronary artery disease

### Amino Acid Sequence

**MKHHHHHHS** EENVDFRIHV ENQTRARDDV SRKQLRLYQL YSRTSGKHIQ VLGRRISARG EDGDKYAQLL VETDTFGSQV  
RIKGETEFY LCMNRKGLV GKPDGTSKEC VFIEKVLENN YTALMSAKYS GWYVGFTKKG RPRKGPKTRE NQQDVHFMKR  
YPKGQPELQK PFKYTTVTKR SRRIRPTHPA

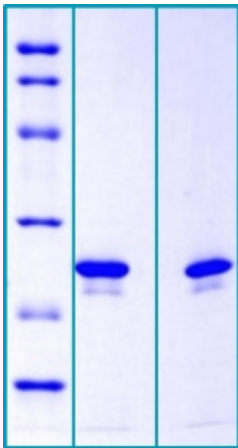
### Source

E. coli

### Purity

Purity as determined by densitometric image analysis: > 95 %

### SDS-PAGE gel



14 % SDS-PAGE separation of Human FGF-18:

1. M.W. marker - 14, 21, 31, 45, 66, 97 kDa
2. Reduced and boiled sample, 2.5 µg/lane
3. Non-reduced and non-boiled sample, 2.5 µg/lane

### Endotoxin

< 1.0 EU/µg

### Formulation

Filtered (0.4 µm) and lyophilized in phosphate buffered saline, 5% w/v trehalose.

### 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. Filter sterilize your culture media/working solutions containing this non-sterile product before using in cell culture.

### Shipping

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

### Storage, Stability/Shelf Life

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 three days.

### Quality Control Test

BCA to determine quantity of the protein.  
SDS-PAGE to determine purity of the protein.  
LAL TEST to determine endotoxin level.

### Applications

ELISA, Western blotting

### Note

This product is intended for research use only.

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