

## Human FGF-21, His Tag, E. coli

**Catalog Number** LDG085PHE

**Package** 5 µg / 20 µg / 100 µg / Customized package

 Publications ( 1 )

For full product information, images and publications, please visit [our website](#).



### Specifications

#### Species of Origin

Human

#### Affinity Tag

His Tag (C-term)

#### Purity

>98% as determined by SDS-PAGE analysis.

#### Activity

Measure by its ability to induce proliferation in BaF3 cells transfected with human FGFR11c. The ED<sub>50</sub> for this effect is <0.4 µg/mL.

#### Form

Lyophilized

#### Expression system

Escherichia coli

#### Buffer

Lyophilized from a 0.2 µm filtered solution of PBS, pH 8.0.

#### Molecular weight


The protein has a calculated MW of 20.35 kDa. The protein migrates as 25 kDa under reducing condition (SDS-PAGE analysis).

#### Endotoxin level

<0.1 EU per 1 µg of the protein by the LAL method.


### Background

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**Background**

Fibroblast Growth Factors-21 (FGF-21) is a 22.3 kDa member of the fibroblast Growth Factors with 209 amino acid residues. FGF-21 is expressed from liver and cardiomyocytes. FGF-21 is a key protein that regulates important metabolic pathways, and modulates cellular function, metabolism, and senescence. It can stimulate glucose uptake in differentiated adipocytes via the induction of glucose transporter SLC2A1 /GLUT1 expression.

**Uniprot ID**

#Q9NSA1

**Synonyms**

Fibroblast Growth Factors 21

**Sequence Note**

His29-Ser209

**Instruction****Reconstitution**

It is recommended to reconstitute the lyophilized protein in sterile H<sub>2</sub>O to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

**Stability & Storage**

This product is stable after storage at:

- -20°C for 12 months in lyophilized state from date of receipt.
- -20°C or -80°C for 1 month under sterile conditions after reconstitution.

Avoid repeated freeze/thaw cycles.

**Shipping**

The product is shipped with polar packs. Upon receipt, store it immediately at -20°C or lower for long term storage.

**Image****Tainan Headquarter**

+886-6-2536677

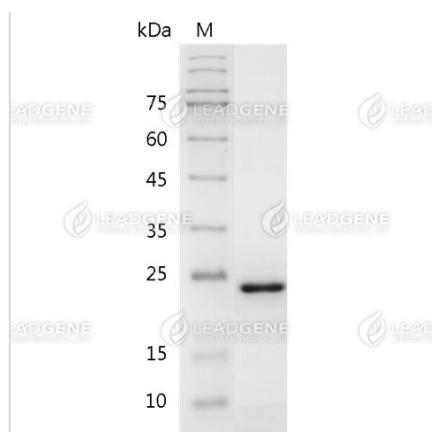
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SDS-PAGE analysis of  
recombinant human FGF-21.

**Disclaimer :** For Research Use or Further Manufacturing Only.

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