Mouse FGF-21, His Tag, E. coli

Catalog Number	LDG092PME
Package	5 μg / 20 μg / 100 μg / Customized package

For full product information, images and publications, please visit our website.

Specifications

Species of Origin

Mouse

Expression System

Escherichia coli

Affinity Tag

His Tag (N-term)

Storage Buffer

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

Purity

>98% as determined by SDS-PAGE analysis.

Molecular weight

The protein has a calculated MW of 20.76 kDa.
The protein migrates as 25-35 kDa under reducing condition (SDS-PAGE analysis).

Activity

Measure by its ability to induce proliferation in NIH-3T3 mouse embryonic fibroblast cells in the presence of mouse Klotho beta and heparin. The ED_{50} for this effect is < 2 μg/mL.

Endotoxin Level

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

Form

Lyophilized

Background

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Background

Fibroblast Growth Factors 21 (FGF-21) is a 23 kDa protein with 210 amino acid residues. Belongs to FGF superfamily, FGF-21 is related to glucose and lipid metabolism. Peroxisome proliferator-activated receptor gamma (PPARg) and peroxisome proliferator-activated receptor alpha (PPARa) regulate FGF-21 expression.

Synonyms

Fibroblast Growth Factors 21, FGF-21

Uniprot ID

#Q9JJN1

Sequence Note

Ala29-Ser210

Instruction

Reconstitution

It is recommended to reconstitute the lyophilized protein in sterile H_2O to a concentration of 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

Shipping

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

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.

Image

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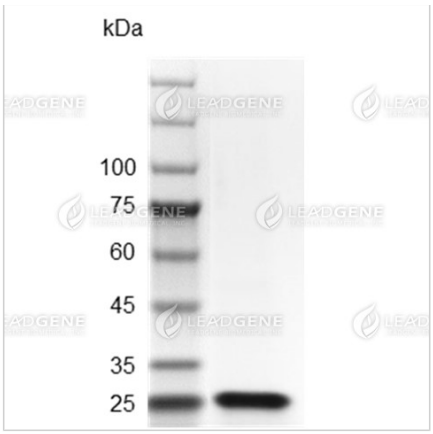

SDS-PAGE analysis of recombinant mouse FGF-21.

Disclaimer : For Research Use or Further Manufacturing Only.

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