Human FGF-22, His-SUMO Tag, E. coli

Catalog Number	LDG086PHE
Package	5 μg / 20 μg / 100 μg / Customized package

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

Specifications

Species of Origin

Human

Expression System

Escherichia coli

Affinity Tag

His-SUMO 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 29.35 kDa. The protein migrates as 36 kDa under reducing condition (SDS-PAGE analysis).

Activity

Measure by its ability to induce 3T3 cells proliferation. The ED_{50} for this effect is <2 ng/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-22 (FGF-22) is a 22.3 kDa member of the fibroblast Growth Factors with 209 amino acid residues. FGF-22 is expressed from brain, skin, horizontal cells, bipolar cells, rod photoreceptor cells, muller glia cells. Involving fasting response, glucose homeostasis, lipolysis, lipogenesis and hair development.

Synonyms

Fibroblast Growth Factors 22

Uniprot ID

#Q9HCT0

Sequence Note

Thr23-Ser170

Instruction

Reconstitution

It is recommended to reconstitute the lyophilized protein in sterile H_2O to a concentration not less than 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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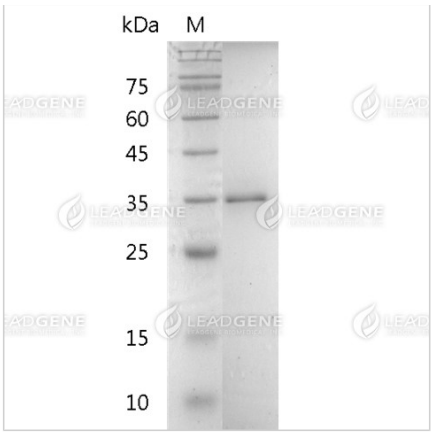

SDS-PAGE analysis of recombinant human FGF-22.

Disclaimer : For Research Use or Further Manufacturing Only.

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