Human FGF-5, His Tag, E. coli

Catalog Number	LDG071PHE
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 Tag (C-term)

Buffer

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

Purity

>95% as determined by SDS-PAGE analysis.

Molecular weight

The protein has a calculated MW of 28.46 kDa. The protein migrates as 34 kDa under reducing condition (SDS-PAGE analysis).

Activity

Measure by its ability to induce 3T3 cells proliferation. The ED_{50} for this effect is <0.7 ng/mL. The specific activity of recombinant human FGF-5 is > 1.4×10^6 IU/mg

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-5 (FGF-5) is a 29.6 kDa member of the fibroblast Growth Factors with 268 amino acid residues. FGF-5 have an important role in the regulation of cell proliferation and cell differentiation. In physiological function, FGF5 is a crucial regulator of hair growth in humans.

Synonyms

Heparin-binding Growth Factors 5, HBGF-5, Smag-82, Fibroblast Growth Factors 5

Uniprot ID

#P12034

Sequence Note

Ala18-Gly268

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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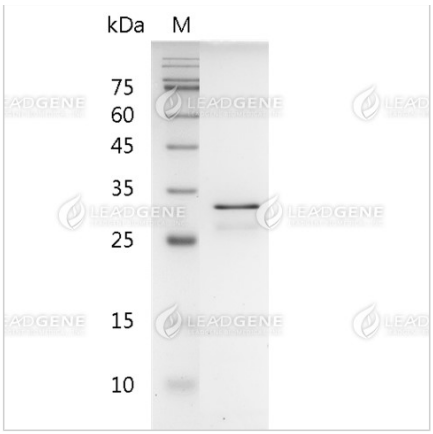

SDS-PAGE analysis of recombinant human FGF-5.

Disclaimer : For Research Use or Further Manufacturing Only.

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