Human FGF-4, His Tag, E. coli

Catalog Number	LDG070PHE
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 20.70 kDa. The protein migrates as 22 kDa under reducing condition (SDS-PAGE analysis).

Activity

Measure by its ability to induce 3T3 cells proliferation. The ED_{50} for this effect is <2.5 ng/mL. The specific activity of recombinant human FGF-4 is > 4 x 10^5 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-4 (FGF-4) is a 22 kDa member of the fibroblast Growth Factors with 206 amino acid residues. FGF-4 can regulate embryonic development, cell proliferation, and cell differentiation. FGF-4 is an important role development during embryogenesis.

Synonyms

Heparin secretory-transforming protein 1 , HST, HST-1, HSTF-1, Heparin-binding Growth Factors 4 , HBGF-4, Transforming protein KS3, Fibroblast Growth Factors 4

Uniprot ID

#P08620

Sequence Note

Gly25-Leu206

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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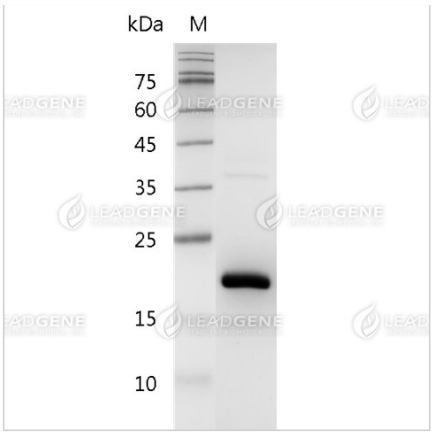

SDS-PAGE analysis of recombinant human FGF-4.

Disclaimer : For Research Use or Further Manufacturing Only.

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