Human FGF-14, His Tag, E. coli

Catalog Number	LDG079PHE
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 (N-term)

Buffer

Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.

Purity

>95% as determined by SDS-PAGE analysis.

Molecular weight

The protein has a calculated MW of 28.28 kDa. The protein migrates as 33 kDa under reducing condition (SDS-PAGE analysis).

Activity

Measure by its ability to induce 3T3 cells proliferation. The ED_{50} for this effect is <21 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-14 (FGF-14) is a 27.7 kDa member of the fibroblast Growth Factors with 247 amino acid residues. FGF-14 is mainly expressed from brain, cervix. FGF-14 involved in nervous system development and function. May regulate voltage-gated sodium channels transport and function.

Synonyms

Fibroblast Growth Factors 14, Fibroblast Growth Factors homologous factor 4, FHF-4

Uniprot ID

#Q92915

Sequence Note

Ala2-Thr246

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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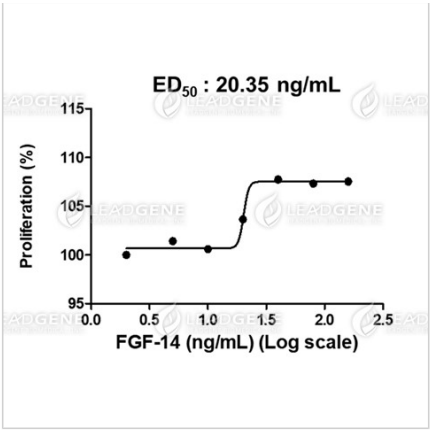
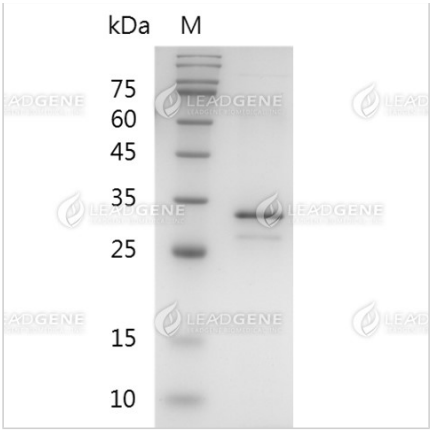


Human FGF-14, His Tag, E. coli (LDG079PHE) induced 3T3 cell proliferation, with the ED50 at 20.35 ng/mL.



SDS-PAGE analysis of recombinant human FGF-14.

Disclaimer : For Research Use or Further Manufacturing Only.

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