

Human FGF-13, His Tag, E. coli

Catalog Number LDG078PHE

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

Affinity Tag

His Tag (C-term)

Purity

>98% as determined by SDS-PAGE analysis.

Activity

Measure by its ability to induce 3T3 cells proliferation. The ED₅₀ for this effect is <160 ng/mL.

Form

Lyophilized

Expression system

Escherichia coli

Buffer

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

Molecular weight

The protein has a calculated MW of 28.37 kDa. The protein migrates as 30 kDa under reducing condition (SDS-PAGE analysis).

Endotoxin level

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

Background

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Background

Fibroblast Growth Factors-13 (FGF-13) is a 27.6 kDa member of the fibroblast Growth Factors with 245 amino acid residues. FGF-13 is mainly expressed from brain, parathyroid gland, skeletal muscle, tongue, neurons. FGF13 is a microtubule-stabilizing protein that regulates neuronal polarization and migration. May regulate voltage-gated sodium channels transport and function.

Uniprot ID

NP_004105 1

Synonyms

Fibroblast Growth Factors 13, Fibroblast Growth Factors homologous factor 2, FHF-2

Sequence Note

Met1-Thr245

Instruction

Reconstitution

It is recommended to reconstitute the lyophilized protein in sterile H₂O to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

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 2 weeks under sterile conditions after reconstitution.

Avoid repeated freeze/thaw cycles.

Shipping

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

Image

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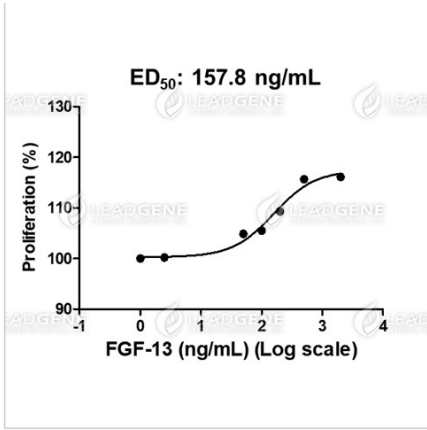
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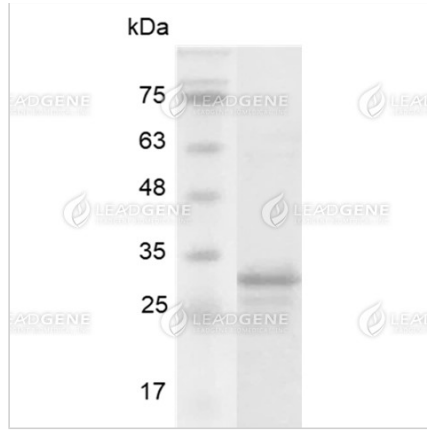
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Human FGF-13, His Tag, E. coli (LDG078PHE) induced 3T3 cell proliferation, with the ED₅₀ at 157.8 ng/mL.



SDS-PAGE analysis of recombinant human FGF-13.

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