

## 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

#### Affinity Tag

His Tag (N-term)

#### Purity

>95% as determined by SDS-PAGE analysis.

#### Activity

Measure by its ability to induce 3T3 cells proliferation. The ED<sub>50</sub> for this effect is <21 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 28.28 kDa. The protein migrates as 33 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-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.

### Uniprot ID

#Q92915

### Synonyms

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

### Sequence Note

Ala2-Thr246

## Instruction

### Reconstitution

It is recommended to reconstitute the lyophilized protein in sterile H<sub>2</sub>O 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 1 month 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

### Tainan Headquarter

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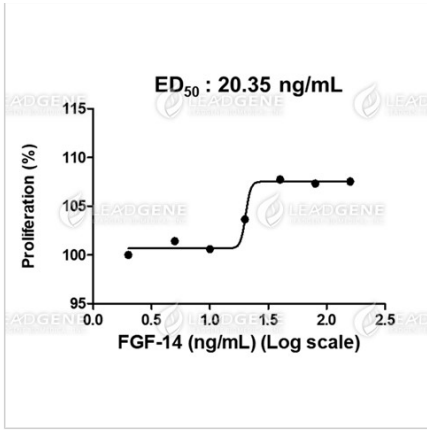
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Human FGF-14, His Tag, E. coli (LDG079PHE) induced 3T3 cell proliferation, with the ED<sub>50</sub> at 20.35 ng/mL.



SDS-PAGE analysis of recombinant human FGF-14.

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