

## Human FGF-23, His Tag, E. coli

<b>Catalog Number</b>	LDG087PHE
<b>Package</b>	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 proliferation in BaF3 cells transfected with human FGFR3c. The ED<sub>50</sub> for this effect is <0.3 µg/mL.

#### Form

Lyophilized

#### Expression System

Escherichia coli

#### Storage Buffer

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

#### Molecular weight

The protein has a calculated MW of 26.27 kDa. The protein migrates as 26 kDa under reducing condition (SDS-PAGE analysis).

#### Endotoxin Level

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

### Background

#### Tainan Headquarters

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#### CLD Center

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### Background

Fibroblast Growth Factors-23 (FGF-23) is a 28 kDa member of the fibroblast Growth Factors with 251 amino acid residues. FGF-23 is expressed from brain, hepatic stellate cells, cone photoreceptor cells, early spermatids. FGF-23 involved phosphate metabolism and vitamin D metabolism. Negatively regulates osteoblast differentiation and matrix mineralization.

### Uniprot ID

#Q9GZV9

### Synonyms

Fibroblast Growth Factors 23 N-terminal peptide, Fibroblast Growth Factors 23 C-terminal peptide, Phosphatonin, Tumor-derived hypophosphatemia-inducing factor

### Sequence Note

Tyr25-Ile251

## Instruction

### Reconstitution

It is recommended to reconstitute the lyophilized protein in sterile H<sub>2</sub>O to a concentration of 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 Headquarters

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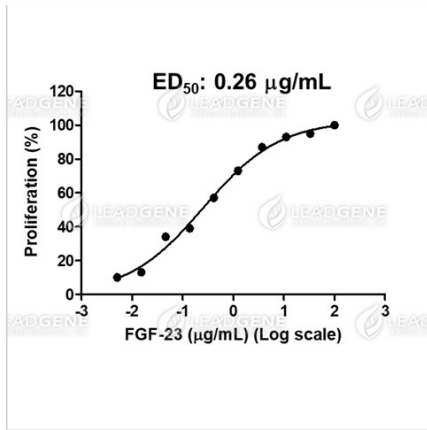
bd@leadgene.com.tw

### Innovation & Research Center

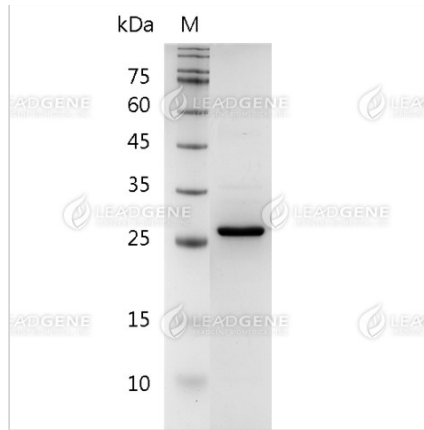
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Human FGF-23, His Tag, E. coli (LDG087PHE) induced proliferation in BaF3 cells transfected with human FGFR11c, with the ED50 at 0.26 μg/mL.



SDS-PAGE analysis of recombinant human FGF-23.

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