

Human FGF-23, His Tag, E. coli

Catalog Number	LDG087PHE
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 proliferation in BaF3 cells transfected with human FGFR11c. The ED₅₀ for this effect is <0.3 µg/mL.

Form

Lyophilized

Expression system

Escherichia coli

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

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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 H₂O 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

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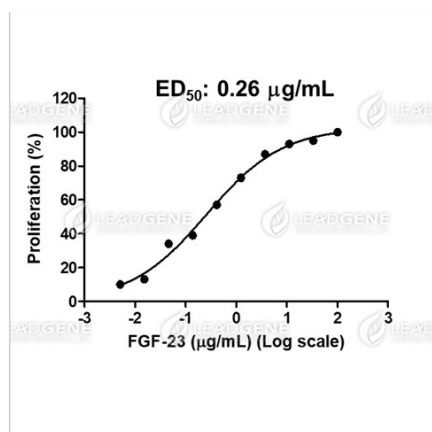
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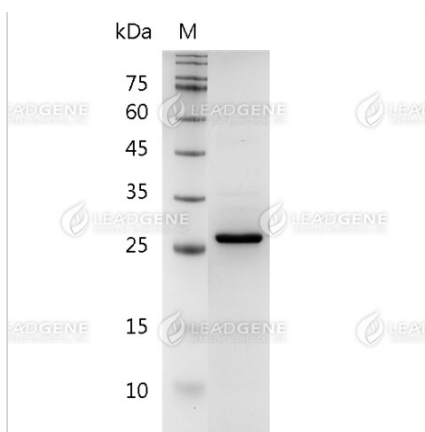
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Human FGF-23, His Tag, E. coli (LDG087PHE) induced proliferation in BaF3 cells transfected with human FGFR11c, with the ED50 at 0.26 μg/mL.



SDS-PAGE analysis of recombinant human FGF-23.

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