

Human FGF-8b, His Tag, E. coli

Catalog Number	LDG074PHE
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

>95% as determined by SDS-PAGE analysis.

Activity

Measure by its ability to induce 3T3 cells proliferation. The ED₅₀ for this effect is 1.4-3.8 ng/mL. The specific activity of recombinant human FGF-8b is > 2 x 10⁵ IU/mg.

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 22.14 kDa. The protein migrates as 23 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-8b (FGF-8b) is a 21.3 kDa member of the fibroblast Growth Factors with 183 amino acid residues. FGF-8 is an important role in the regulation of embryonic development, cell proliferation, cell differentiation and cell migration. In embryogenesis function, FGF8 is necessary in limb, brain, eye and ear formation. FGF-8b having a more potent inductive activity due to higher affinity for Fgf receptors.

Uniprot ID

#P55075-3

Synonyms

Androgen-induced Growth Factors, AIGF, Heparin-binding Growth Factors 8, HBGF-8, Fibroblast Growth Factors 8

Sequence Note

Gln23 - Arg215

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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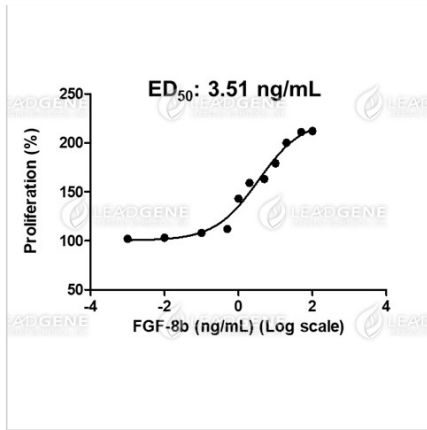
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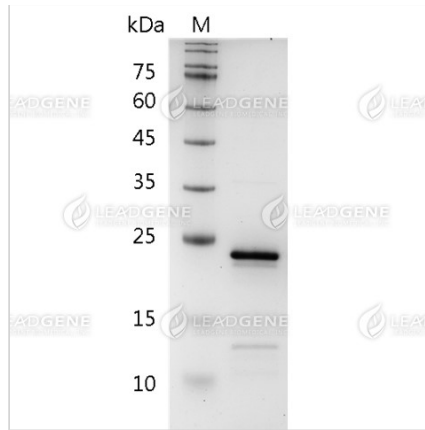
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Human FGF-8b, His Tag, E. coli (LDG074PHE) induced 3T3 cell proliferation, with the ED₅₀ at 3.51 ng/mL.



SDS-PAGE analysis of recombinant human FGF-8b.

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