

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

<b>Catalog Number</b>	LDG074PHE
<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

>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 1.4-3.8 ng/mL. The specific activity of recombinant human FGF-8b is > 2 x 10<sup>5</sup> IU/mg.

#### 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 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 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 Headquarter

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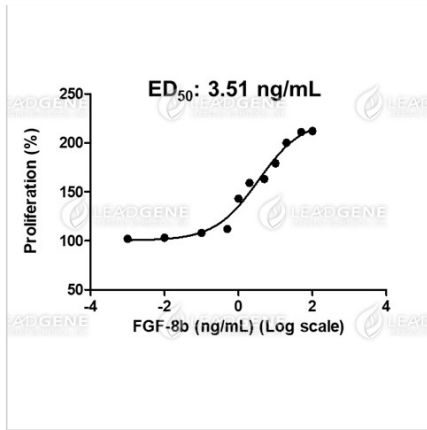
bd@leadgene.com.tw

### Innovation & Research Center

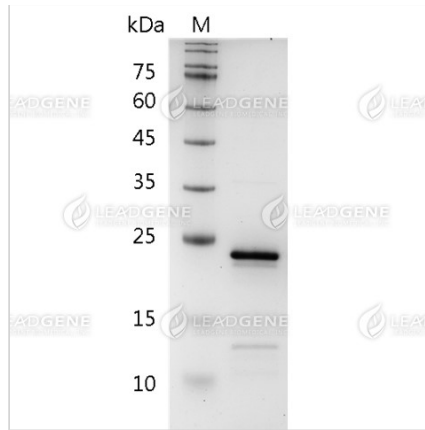
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Human FGF-8b, His Tag, E. coli (LDG074PHE) induced 3T3 cell proliferation, with the ED50 at 3.51 ng/mL.



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

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