

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

Catalog Number	LDG073PHE
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 3T3 cells proliferation. The ED₅₀ for this effect is <2 µg/mL.

Form

Lyophilized

Expression system

Escherichia coli

Buffer

Lyophilized from a 0.2 µm filtered solution of 50 mM Tris, 1 M NaCl, pH 8.5.

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-8a (FGF-8a) is a 23.5 kDa member of the fibroblast Growth Factors with 204 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.

Uniprot ID

#P55075

Synonyms

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

Sequence Note

Gln52-Arg223

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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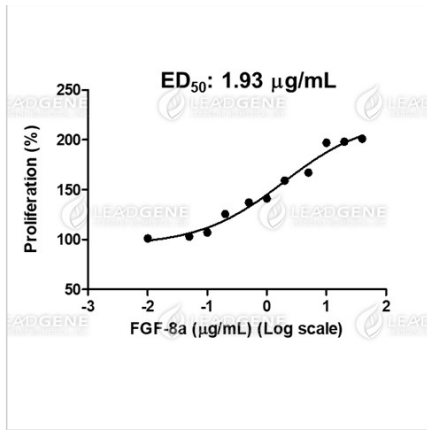
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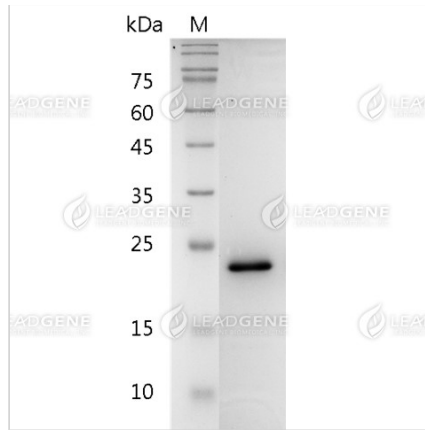
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Human FGF-8a, His Tag, E. coli (LDG073PHE) induced 3T3 cell proliferation, with the ED50 at 1.93 μg/mL.



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

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