

Human FGF-12, His Tag, E. coli

Catalog Number	LDG077PHE
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 ng/mL.

Form

Lyophilized

Expression System

Escherichia coli

Storage Buffer

Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.

Molecular weight

The protein has a calculated MW of 21.23 kDa. The protein migrates as 21 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-12 (FGF-12) is a 20.4 kDa member of the fibroblast Growth Factors with 181 amino acid residues. FGF-12 is mainly expressed from inhibitory neurons, oligodendrocyte precursor cells, excitatory neurons, cardiomyocytes. Involved in nervous system development, function, and positive regulation of voltage-gated sodium channel activity. FGF-12 function in the development of the central and peripheral nervous systems, connective tissue of the skeleton, and the myocardia of the heart.

Sequence Note

#NP_004104.3 Met1-Thr181

Synonyms

Fibroblast Growth Factors homologous factor 1, FHF-1, Fibroblast Growth Factors 12

Instruction

Reconstitution

It is recommended to reconstitute the lyophilized protein in sterile H₂O to a concentration not less than 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:

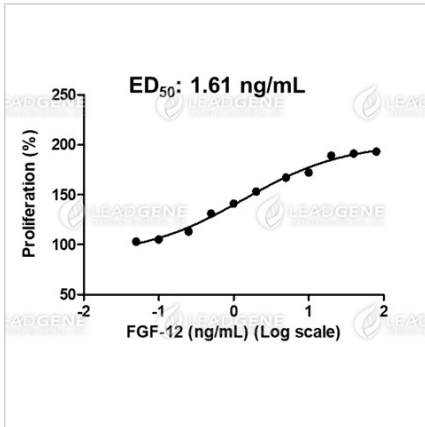
- -20°C for 12 months in lyophilized state from date of receipt.
- -20°C or -80°C for 1 month under sterile conditions after reconstitution.

Avoid repeated freeze/thaw cycles.

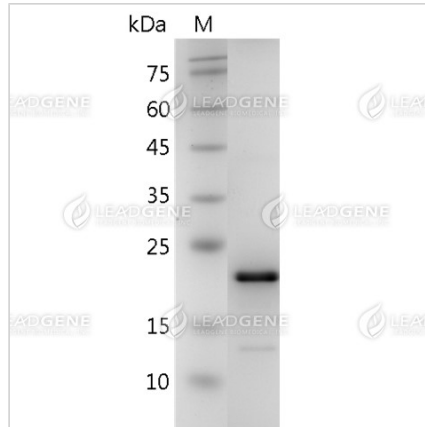
Shipping

The product is shipped with polar packs. Upon receipt, store it immediately at -20°C or lower for long term storage.

Image



Human FGF-12, His Tag, E. coli (LDG077PHE) induced 3T3 cell proliferation, with the ED₅₀ at 1.61 ng/mL.



SDS-PAGE analysis of recombinant human FGF-12.

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