

Mouse FGF-2, His Tag, E. coli

Catalog Number LDG069PME

Package

LDG069PME

5 μg / 20 μg / 100 μg / Customized package

For full product information, images and publications, please visit our website.



Specifications

Species of Origin	Expression System
Mouse	Escherichia coli
Affinity Tag	Storage Buffer
	Storage Barrer
His Tag (N-term)	Lyophilized from a 0.2 µm filtered solution of
	PBS, pH 8.0.
Purity	Molecular weight
>98% as determined by SDS-PAGE analysis.	The protein has a calculated MW of 17.2 kDa.
	The protein migrates as 19 kDa under reducing
	condition (SDS-PAGE analysis).
Activity	Endotoxin Level
Activity	
Measure by its ability to induce 3T3 cells	<0.1 EU per 1 μ g of the protein by the LAL
proliferation. The ED ₅₀ for this effect is <1.5	method.
ng/mL. The specific activity of recombinant	
mouse FGF-2 is approximately $>1x 10^6$ IU/mg.	

Form

Lyophilized

Background

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Background

Basic fibroblast Growth Factors (FGF-2, bFGF), a pleiotropic cytokine, plays multiple roles in different cells and tissues. FGF-2 can stimulate smooth muscle cell growth, wound healing, and tissue repair. In addition, FGF-2 has been shown to regulate the generation of neurons and astrocytes from progenitor cells. FGF-2 are also involved in a variety of biological processes, including embryonic development, morphogenesis, tissue repair, tumor growth, and invasion. As a multifunctional cytokine, FGF-2 is first isolated from the pituitary. Later, it was identified from various cell types including cardiac myocytes, cardiac fibroblasts, endothelial cells, and smooth muscle cells.

Synonyms

Fibroblast Growth Factors 2, Basic fibroblast Growth Factors , bFGF, Heparin-binding Growth Factors 2 , HBGF-2

Sequence Note

Ala11-Ser154

Uniprot ID

#P15655

Instruction

Reconstitution

It is recommended to reconstitute the lyophilized protein in sterile H_2O to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient redissolved.

Shipping

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

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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.

Image

kDa	Μ
	_
75	
60	
45	-
35	
25	-
C	
15	
10	

SDS-PAGE analysis of recombinant mouse FGF-2.

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