

Active Recombinant Mouse Fgf21 Protein (Ala29-Ser210), N-His tagged, Animal-free, Carrier-free

Cat. No. Fgf21-257M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Fgf21 Protein (Ala29-Ser210) with N-His tag was expressed in E. coli and Animal-free as well as Carrier-free.
Species	Mouse
Source	E.coli
ProteinLength	Ala29-Ser210
Description	Fibroblast Growth Factors 21 (FGF-21) is a 23 kDa protein with 210 amino acid residues. Belongs to FGF superfamily, FGF-21 is related to glucose and lipid metabolism. Peroxisome proliferator-activated receptor gamma (PPARγ) and peroxisome proliferator-activated receptor alpha (PPARα) regulate FGF-21 expression.
Form	Lyophilized
Bio-activity	Measure by its ability to induce proliferation in NIH-3T3 mouse embryonic fibroblast cells in the presence of mouse Klotho beta and heparin. The ED50 for this effect is < 2 µg/mL.
Molecular Mass	The protein has a calculated MW of 20.76 kDa. The protein migrates as 25-35 kDa under reducing condition (SDS-PAGE analysis).

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Endotoxin	< 0.1 EU/μg of the protein by the LAL method.
Purity	>98% as determined by SDS-PAGE analysis.
Storage	This product is stable after storage at: -20 centigrade for 12 months in lyophilized state from date of receipt. -20 or -80 centigrade for 1 month under sterile conditions after reconstitution. Avoid repeated freeze/thaw cycles.
Storage Buffer	Lyophilized from a 0.2 μm filtered solution of PBS, pH 8.0.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H ₂ O to a concentration not less than 200 μg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at -20 centigrade or lower for long term storage.

GENE INFORMATION

Gene Name	Fgf21 fibroblast growth factor 21 [Mus musculus (house mouse)]
Official Symbol	Fgf21
Synonyms	FGF21; fibroblast growth factor 21; FGF-21;
Gene ID	56636
mRNA Refseq	NM_020013
Protein Refseq	NP_064397

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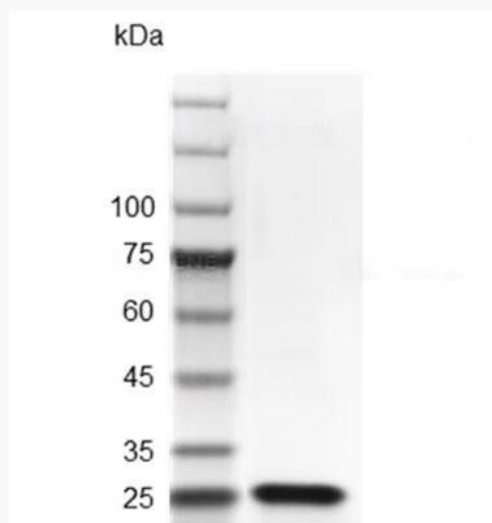
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UniProt ID

Q9JJN1

**SDS-PAGE analysis
of recombinant
mouse FGF-21.**



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