

Active Recombinant Human FGF21 Protein (His29-Ser209), C-His tagged, Animal-free, Carrier-free

Cat. No. FGF21-117H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human FGF21 Protein (His29-Ser209) with C-His tag was expressed in E. coli and Animal-free as well as Carrier-free.
Species	Human
Source	E.coli
ProteinLength	His29-Ser209
Description	Fibroblast Growth Factors-21 (FGF-21) is a 22.3 kDa member of the fibroblast Growth Factors with 209 amino acid residues. FGF-21 is expressed from liver and cardiomyocytes. FGF-21 is a key protein that regulates important metabolic pathways, and modulates cellular function, metabolism, and senescence. It can stimulate glucose uptake in differentiated adipocytes via the induction of glucose transporter SLC2A1 /GLUT1 expression.
Form	Lyophilized
Bio-activity	Measure by its ability to induce proliferation in BaF3 cells transfected with human FGFRIIIc. The ED50 for this effect is < 0.4 µg/mL.
Molecular Mass	The protein has a calculated MW of 20.35 kDa. The protein migrates as 25 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 [Homo sapiens (human)]
Official Symbol	FGF21
Synonyms	FGF21; fibroblast growth factor 21; FGF-21;
Gene ID	26291
mRNA Refseq	NM_019113
Protein Refseq	NP_061986

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MIM	609436
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UniProt ID	Q9NSA1
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