

Active GMP Recombinant Mouse Fgf21 Protein, His-Tagged

Cat. No. Fgf21-01M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	GMP Recombinant Mouse Fgf21 Protein, His-Tagged was expressed in Escherichia coli cell-derived in an animal component free process under cGMP guidelines.
Species	Mouse
Source	E.coli
Description	Predicted to enable fibroblast growth factor receptor binding activity and growth factor activity. Involved in positive regulation of cold-induced thermogenesis. Acts upstream of or within positive regulation of MAPKKK cascade by fibroblast growth factor receptor signaling pathway and positive regulation of cell population proliferation. Located in extracellular space. Is expressed in several structures, including alimentary system; cerebellum; integumental system; limb; and skeleton. Orthologous to human FGF21 (fibroblast growth factor 21)
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.
AA Sequence	AYPIPDSSPLLQFGGQVRQRYLYTDDDQDTEAHLEIREDGTVVGAHRSPESLLELK ALKPGVIQILGVKASRFLCQQPDGALYGSPHFDPEACSFRELLLEDGYNVYQSEAHG LPLRLPQKDSPNQDATSWGVPVRFLLPMPGLLHEPQDQAGFLPPEPPDVGSSDPLSM

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	VEPLQGRSPSYAS with polyhistidine tag at the N-terminus
Endotoxin	<0.1 EU per 1 µg of the protein by the LAL method.
Purity	>98% as determined by SDS-PAGE analysis. Purified by Ni-NTA chromatography.
Notes	Please use within one month after protein reconstitution.
Storage	Lyophilized protein should be stored at -20°C. Upon reconstitution, protein aliquots should be stored at -20°C or -80°C.
Storage Buffer	The protein was lyophilized from a solution containing 1X PBS, pH 8.0.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H2O to a concentration not less than 100 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

GENE INFORMATION

Gene Name	Fgf21 fibroblast growth factor 21 [Mus musculus (house mouse)]
Official Symbol	Fgf21
Synonyms	Fgf8c
Gene ID	56636
mRNA Refseq	NM_020013.4
Protein Refseq	NP_064397.1

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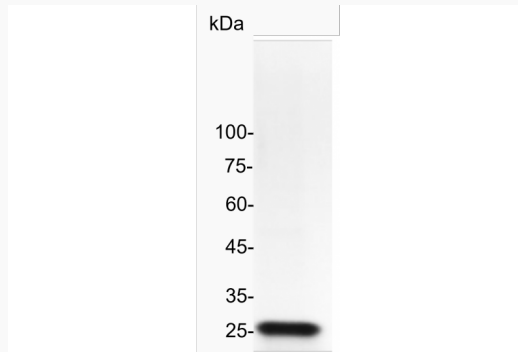
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UniProt ID

Q9JJN1



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