

Recombinant Mouse Fgf23 protein(Tyr25~Val251), His-tagged

Cat. No. Fgf23-835M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Fgf23 protein(Tyr25~Val251), fused with N-terminal His Tag, was expressed in E.coli.
Species	Mouse
Source	E.coli
ProteinLength	Tyr25~Val251
Form	20mM Tris, 150mM NaCl, pH8.0, containing 0.05% sarcosyl and 5% trehalose.
Bio-activity	<p>FGF23 (Fibroblast growth factor 23) is a member of the fibroblast growth factor family, which possess broad mitogenic and cell survival activities and are involved in a variety of biological processes. A proliferation assay was conducted to detect the bioactivity of recombinant mouse FGF23 using 3T3 cells. Briefly, 3T3 cells were seeded into triplicate wells of 96-well plates at a density of 2,000 cells/well and allowed to attach overnight, then the medium was replaced with serum-free standard DMEM prior to the addition of various concentrations of FGF23. After incubated for 48h, cells were observed by inverted microscope and cell proliferation was measured by Cell Counting Kit-8 (CCK-8). Briefly, 10µL of CCK-8 solution was added to each well of the plate, then the absorbance at 450nm was measured using a microplate reader after incubating the plate for 1-4 hours at 37°C. Cell viability was assessed by CCK-8 (Cell Counting Kit-8) assay after incubation with recombinant FGF23 for 48h. It was obvious that FGF23 significantly increased</p>

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	cell viability of 3T3 cells.
Molecular Mass	28.7kDa
Endotoxin	<1.0EU per 1µg (determined by the LAL method).
Purity	> 92%
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

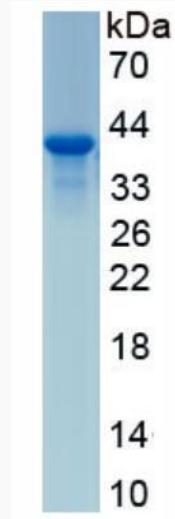
Gene Name	Fgf23 fibroblast growth factor 23 [Mus musculus]
Official Symbol	Fgf23
Synonyms	FGF23; fibroblast growth factor 23; FGF-23;
Gene ID	64654
mRNA Refseq	NM_022657
Protein Refseq	NP_073148

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