Active Recombinant Mouse Fgf22 protein, His-tagged

Cat. No. Fgf22-940M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Mouse Fgf22 protein(Q9ESS2)(26-162 aa), fused with N-terminal His tag, was expressed in E.coli.
Species	Mouse
Source	E.coli
ProteinLength	26-162 aa
Form	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Bio-activity	FGF22 (Fibroblast growth factor 22) is a member of the fibroblast growth factor (FGF) family. FGF family members possess broad mitogenic and cell survival activities and are involved in a variety of biological processes including embryonic development, cell growth, morphogenesis, tissue repair, tumor growth and invasion. A proliferation assay was conducted to detect the bioactivity of recombinant mouse FGF22 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 FGF22. After incubated for 48h, cells were observed by inverted microscope and cell proliferation was measured by Cell Counting Kit-8 (CCK-8). Briefly, 10μ 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

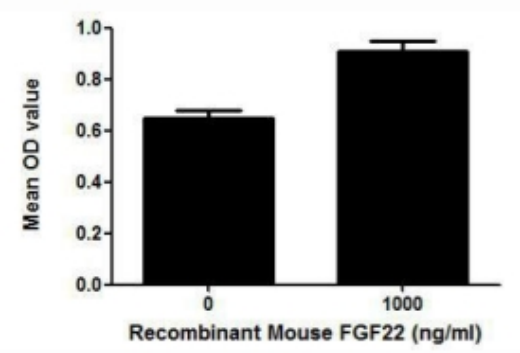
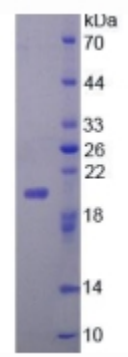
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	plate for 1-4 hours at 37°C. Proliferation of 3T3 cells after incubation with FGF22 for 48h observed by inverted microscope was shown. Cell viability was assessed by CCK-8 (Cell Counting Kit-8) assay after incubation with recombinant FGF22 for 48h. The result was shown. It was obvious that FGF22 significantly increased cell viability of 3T3 cells.
Molecular Mass	19.9kDa
Purity	> 95%
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Store at -20°C for 12 months. 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	Fgf22 fibroblast growth factor 22 [Mus musculus]
Official Symbol	Fgf22
Synonyms	FGF22; fibroblast growth factor 22; FGF-22; 2210414E06Rik;
Gene ID	67112
mRNA Refseq	NM_023304
Protein Refseq	NP_075793

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Activity	
SDS-PAGE	

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