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Product Datasheet

Mouse FGF22 protein, His tag (active), Unconjugated
GTX00299-PRO

Article Name	Mouse FGF22 protein, His tag (active), Unconjugated
Biozol Catalog Number	GTX00299-PRO
Supplier Catalog Number	GTX00299-pro
Alternative Catalog Number	GTX00299-PRO-10
Manufacturer	GeneTex
Category	Proteine/Peptide
Application	FA
Species Reactivity	Mouse
Conjugation	Unconjugated
NCBI	67112
UniProt	Q9ESS2
Buffer	Reconstitute with 20mM Tris and 150mM NaCl to 0.1-1.0mg/ml. Do not vortex. Lyophilized from 20mM Tris, 150mM NaCl, 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose, ProClin 300.
Expression System	E. coli
Form	Lyophilized powder
Sequence	N-terminal His-Tag, His26~Ser162 (NP_075793.1)

Application Notes	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 2000 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, 10 µl 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 37C. Proliferation of 3T3 cells after incubation with FGF22 for 48h observed by inverted microscope Cell viability was assessed by CCK-8 (Cell Counting Kit-8) assay after incubation with recombinant FGF22 for 48h. And FGF22 significantly increased cell viability of 3T3 cells.