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Product Datasheet

Mouse FGF23 protein, His tag (active), Unconjugated GTX00295-PRO

Article Name	Mouse FGF23 protein, His tag (active), Unconjugated
Biozol Catalog Number	GTX00295-PRO
Supplier Catalog Number	GTX00295-pro
Alternative Catalog Number	GTX00295-PRO-10
Manufacturer	GeneTex
Category	Proteine/Peptide
Application	FA
Species Reactivity	Mouse
Conjugation	Unconjugated
NCBI	64654
UniProt	Q9EPC2
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, Tyr25~Val251 (NP_073148.1)

Application Notes

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 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 FGF23. After incubated for 48h, cells were observed by inverted microscope and cell proliferation was measured by Cell Counting Kit-8 (CCK-8). Briefly, 10 μ l 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 FGF23 for 48h observed by inverted microscope. Cell viability was assessed by CCK-8 (Cell Counting Kit-8) assay after incubation with recombinant FGF23 for 48h. And FGF23 significantly increased cell viability of 3T3 cells.