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Product Datasheet

Human FNDC5 protein, His tag (active), Unconjugated GTX00149-PRO

Article Name	Human FNDC5 protein, His tag (active), Unconjugated
Biozol Catalog Number	GTX00149-PRO
Supplier Catalog Number	GTX00149-pro
Alternative Catalog Number	GTX00149-PRO-10
Manufacturer	GeneTex
Category	Proteine/Peptide
Application	FA
Species Reactivity	Human
Conjugation	Unconjugated
NCBI	252995
UniProt	Q8NAU1
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, Leu2~Ile137 (NP_001165411.2)

Application Notes

Fibronectin type III domain-containing protein 5, the precursor of irisin, is a protein that is encoded by the FNDC5 gene. It was reported that FNDC5 significantly decreased cell number, migration and viability through apoptosis in malignant MDA-MB-231 cells. Thus MDA-MB-231 cells were seeded overnight at a density of 5000 cells/well, and treated with or without various concentrations of FNDC5 for 48h, then MDA-MB-231 cells were observed by inverted microscope and cell viability 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 measure the absorbance at 450nm using a microplate reader after incubating the plate for 1-4 hours at 37C. Cell apoptosis of MDA-MB-231 cells after incubation with FNDC5 for 48h observed by inverted microscope. FNDC5 significantly decreased cell viability of MDA-MB-231 cells, and the ED50 for this effect is typically 1.72-2.70 nM.