

Active Recombinant Mouse FNDC5 protein, His-tagged

Cat. No. FNDC5-1321M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Mouse FNDC5 protein(Q8NAU1)(2-137 aa), fused with N-terminal His tag, was expressed in E.coli.
Species	Mouse
Source	E.coli
ProteinLength	2-137 aa
Form	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Bio-activity	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 5,000 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, 10μ 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 37°C.
Molecular Mass	16.7kDa
Endotoxin	<1.0EU per 1μg (determined by the LAL method).

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Purity	> 90%
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	Fndc5 fibronectin type III domain containing 5 [Mus musculus]
Official Symbol	FNDC5
Synonyms	FNDC5; fibronectin type III domain containing 5; PeP; Pxp; 1500001L03Rik;
Gene ID	70364

Activity

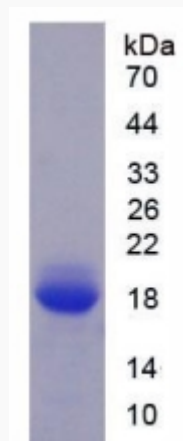


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