

Datasheet for ABIN7566313

FNDC5 Protein (AA 29-140, AA 32-143) (DYKDDDDK Tag)[Go to Product page](#)

Overview

Quantity:	3 x 10 µg
Target:	FNDC5
Protein Characteristics:	AA 29-140, AA 32-143
Origin:	Human, Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This FNDC5 protein is labelled with DYKDDDDK Tag.

Product Details

Purpose:	Irisin (rec.) (HEK293)
Cross-Reactivity:	Human, Mouse
Characteristics:	Irisin (human, aa 32-143 /mouse, aa 29-140) is DYKDDDDK Tagged at the N-terminus. Irisin has 100 % identity between mouse, rat, monkey and human.
Purity:	>95 % (SDS-PAGE)
Endotoxin Level:	<0.1EU/µg purified protein (LAL test, Lonza).

Target Details

Target:	FNDC5
Alternative Name:	Irisin (FNDC5 Products)
Background:	Fibronectin Type III Domain-containing Protein 5 (cleaved), Fibronectin Type III Repeat-

Target Details

containing Protein 2 (cleaved), FNDC5 (cleaved)

Irisin is a recently described exercise-induced hormone secreted by skeletal muscle in mice and humans. Irisin activates beige fat cells (beige cells have a gene expression pattern distinct from either white or brown fat and are preferentially sensitive to the polypeptide hormone Irisin).

Irisin is cleaved from the type I membrane protein FNDC5 and improves systemic metabolism by increasing energy expenditure.

Molecular Weight: ~26kDa

UniProt: [Q8NAU1](#)

Pathways: [Hormone Activity](#), [Brown Fat Cell Differentiation](#), [Positive Regulation of fat Cell Differentiation](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: 0.1 mg/mL after reconstitution.

Concentration: 0.1 mg/mL

Buffer: Contains PBS.

Handling Advice: After reconstitution, prepare aliquots and store at -20 °C. Avoid freeze/thaw cycles. PBS containing at least 0.1 % BSA should be used for further dilutions.

Storage: 4 °C, -20 °C

Storage Comment: Short Term Storage: +4°C

Long Term Storage: -20°C

Use & Stability: Stable for at least 6 months after receipt when stored at -20°C.