

Datasheet for ABIN2745683

FNDC5 Protein (AA 29-149, Extracellular Domain) (Fc Tag)[Go to Product page](#)

Overview

Quantity:	3 x 10 µg
Target:	FNDC5
Protein Characteristics:	Extracellular Domain, AA 29-149
Origin:	Human, Mouse, Rat
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This FNDC5 protein is labelled with Fc Tag.
Application:	SDS-PAGE (SDS)

Product Details

Cross-Reactivity:	Human, Mouse (Murine), Rat (Rattus)
Characteristics:	FNDC5 (extracellular domain) (human, aa 32-152 / mouse, aa 29-149) is fused at the C-terminus to the Fc portion of human IgG1. FNDC5 (extracellular domain) has 100 % identity between mouse, rat and human.
Purity:	>95 % (SDS-PAGE)
Endotoxin Level:	<0.01EU/µg purified protein (LAL test, Lonza).

Target Details

Target:	FNDC5
Alternative Name:	FNDC5 (FNDC5 Products)

Target Details

Background: Irisin is a recently described exercise and PGC1-alpha-induced myokine secreted by skeletal muscle in mice and humans. Irisin has been shown to induce browning of white adipose tissue, but this role has been questioned and a new function in the control of mass and strength of cortical bone has been reported. The membrane fibronectin type III domain containing protein 5 (FNDC5) can be cleaved by an unknown protease to release the Irisin protein (aa 32-143 for human) and potentially also the FNDC5 (extracellular domain, aa 32-153 for human).

Molecular Weight: ~52kDa

UniProt: [Q8NAU1](#)

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

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Reconstitute with 100 µL sterile water.

Concentration: Lot specific

Buffer: Lyophilized. Contains PBS.

Storage: 4 °C, -20 °C

Storage Comment: Short Term Storage: +4°C
Long Term Storage: -20°C
Stable for at least 6 months after receipt when stored at -20°C.

Expiry Date: 6 months