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Datasheet for ABIN1343991 FNDC5 Protein (AA 29-140)

Overview

Quantity:	10 µg
Target:	FNDC5
Protein Characteristics:	AA 29-140
Origin:	Human, Mouse
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Application:	SDS-PAGE (SDS)

Product Details

Cross-Reactivity:	Human, Mouse (Murine)
Characteristics:	Irisin (human, aa 32-143 / mouse, aa 29-140) is untagged. 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:	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).

Target Details

	Irisin is cleaved from the type I membrane protein FNDC5 and improves systemic metabolism by increasing energy expenditure.
Molecular Weight:	~12kDa
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