Datasheet for ABIN7566314
FNDC5 Protein (AA 29-140, AA 32-143)

Overview

Quantity:	3 x 10 μg
Target:	FNDC5
Protein Characteristics:	AA 29-140, AA 32-143
Origin:	Human, Mouse
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

Product Details

Purpose:	Irisin (rec.) (untagged) (E.coli)
Cross-Reactivity:	Human, Mouse
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:	Fibronectin Type III Domain-containing Protein 5 (cleaved), Fibronectin Type III Repeat-containing Protein 2 (cleaved), FNDC5 (cleaved) Irisin is a recently described exercise-induced hormone secreted by skeletal muscle in mice and

Target Details

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:	~12kDa
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:	Lyophilized from PBS or TRIS buffer (lot-dependent).
Handling Advice:	After reconstitution, prepare aliquots and store at -20 °C.Avoid freeze/thaw cycles.Centrifuge lyophilized vial before opening and reconstitution.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. Working aliquots are stable for up to 3 months when stored at -20°C.