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Datasheet for ABIN2745681

FNDC4 Protein (AA 41-163, Extracellular Domain)

Overview

Quantity:	10 µg
Target:	FNDC4
Protein Characteristics:	Extracellular Domain, AA 41-163
Origin:	Human, Mouse, Dog, Monkey, Rat
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Application:	SDS-PAGE (SDS)

Product Details

Cross-Reactivity:	Dog (Canine), Human, Monkey, Mouse (Murine), Rat (Rattus)
Characteristics:	FNDC4 (extracellular domain, human (aa 45-167) / mouse (aa 41-163)) is untagged. FNDC4 extracellular domain has 100 % identity between human, mouse, rat, dog and monkey.
Purity:	>95 % (SDS-PAGE)
Endotoxin Level:	<0.01EU/µg purified protein (LAL test, Lonza).

Target Details

Target:	FNDC4
Alternative Name:	FNDC4 (FNDC4 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). Irisin

Target Details

is cleaved from the type I membrane protein FNDC5 and improves systemic metabolism by increasing energy expenditure. FNDC4 is an ortholog of FNDC5 with 50 % identity and 86 % similarity compared to Irisin. FNDC4 as well as FNDC5 are extremely well conserved between species. The function of FNDC4 is unknown. The human FNDC4 gene is highly enriched in liver, brain tissue and adipocytes.

Molecular Weight: ~16kDa

UniProt: [Q9H6D8](#)

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