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Datasheet for ABIN2745682

FNDC5 Protein (AA 29-149, Extracellular Domain)

Overview

| | |
|--------------------------|---------------------------------|
| Quantity: | 10 µg |
| Target: | FNDC5 |
| Protein Characteristics: | Extracellular Domain, AA 29-149 |
| Origin: | Human, Mouse, Rat |
| Source: | Escherichia coli (E. coli) |
| Protein Type: | Recombinant |
| 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 untagged. FNDC5 extracellular domain has 100 % identity between human, mouse and rat. |
| Purity: | >95 % (SDS-PAGE) |
| Endotoxin Level: | <0.01EU/µg purified protein (LAL test, Lonza). |

Target Details

| | |
|-------------------|--|
| Target: | FNDC5 |
| Alternative Name: | FNDC5 (FNDC5 Products) |
| 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 |

Target Details

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: ~16kDa

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