Datasheet for ABIN7520018

FNDC5 Protein (His tag)

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Overview

Quantity:	10 µg
Target:	FNDC5
Origin:	Human, Mouse, Rat
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This FNDC5 protein is labelled with His tag.

Product Details

Purpose:	Active Recombinant Human/Mouse/Rat Irisin/FNDC5 Protein
Sequence:	DSPSAPVNVT VRHLKANSAV VSWDVLEDEV VIGFAISQQK KDVRMLRFIQ EVNTTTRSCA LWDLEEDTEY IVHVQAISIQ GQSPASEPVL FKTPREAEKM ASKNKDEVTM KE
Specificity:	Asp32-Glu143
Purity:	> 95 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	< 0.1 EU/µg of the protein by LAL method.
Biological Activity Comment:	Measured by its ability to induce p38 MAPK activation in 3T3 L1 mouse embryonic fibroblast adipose-like cells. 0.1 µg/mL of Recombinant Human Irisin can effectively induce p38 MAPK activation.

Target Details

Target:	FNDC5
Alternative Name:	Irisin/FNDC5 (FNDC5 Products)
Background:	FRCP2,irisin,FNDC5
Gene ID:	252995
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:	Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid votex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.
Buffer:	Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.
Storage:	-20 °C,-80 °C
Storage Comment:	Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.