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FNDC5 Human

Fibronectin Type III Domain Containing 5 Human Recombinant
RCP0865

Product Overview

Name	FNDC5 Human

Description

Fibronectin Type III Domain Containing 5 Human Recombinant

Accession (Primary)	Q8NAU1

Synonyms

Fibronectin type III domain-containing protein 5, Fibronectin type III repeat-containing protein, Fibronectin Type III Repeat-Containing Protein 2, Irisin, FNDC5, FRCP2.

Introduction

Fibronectin Type III Domain Containing 5 (Irisin) is a newly discovered hormone, secreted into circulation by muscle, which acts on white adipocytes and promotes WAT “browning”. r-Irisin can reduce body weight and cause induction of brown adipocyte in vivo, including a capacity for thermogenic energy expenditure mediated by uncoupling protein 1 (UCP-1). Irisin mature protein is comprised of 110 amino acid residues and two potential glycosylation sites. High levels of Irisin can be found in the heart whereas Very low expression is found in the colon, pancreas and spleen, if any.

Source

Escherichia Coli.

Physical Appearance

Filtered White lyophilized (freeze-dried) powder.

Formulation

FNDC5 filtered (0.4 µm) and lyophilized from 0.5mg/ml in phosphate buffered saline.

Stability

Store lyophilized protein at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C.

Purity

Greater than 95.0% as determined by SDS-PAGE.

Amino acid sequence

MKHHHHHHAS DSPSAPVNVT VRHLKANSAV VSWDVLEDEV VIGFAISQQK KDVRMLRFIQ EVNTTTRSCA

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LWDLEEDTEY IVHVQAISIQ GQSPASEPVL FKTPREAEKM ASKNKDEVTM KE.

Solubility

It is recommended to add deionized water to prepare a working stock solution of approximately 0.5mg/ml and let the lyophilized pellet dissolve completely. FNDC5 is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.

Precautions

FNDC5 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q8NAU1)