LEADGENE
LEADGENE BIOMEDICAL, INC.

Datasheet

Human Irisin, Tag Free, E. coli

Catalog Number	LDG176PHE
Package	5 μg / 20 μg / 100 μg / Customized package

For full product information, images and publications, please visit our website.

Specifications

Species of Origin
Human

Expression system
Escherichia coli

Affinity Tag
Tag Free

Buffer
Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.

Purity
>90% as determined by SDS-PAGE analysis.

Molecular weight
The protein has a calculated MW of 12.70 kDa. The protein migrates as 10-17 kDa under reducing condition (SDS-PAGE analysis).

Endotoxin level
<0.1 EU per 1 μg of the protein by the LAL method.

Form
Lyophilized

Background

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Background

Irisin is a transmembrane glycoprotein which is encoded by the Fibronectin type III domain-containing protein 5 gene. Irisin is secreted from skeletal muscle after exercise. Irisin induces the expression of thermogenin in adipocytes which prevents weight gain. The production of irisin is during the muscular contraction. Irisin likes a myokine after exercise which could do the conversion of white fat to brown fat in human.

Synonyms

Fibronectin type III domain-containing protein 5, Fibronectin type III repeat-containing protein 2

Uniprot ID

#Q8NAU1

Sequence Note

Asp32-Glu143

Instruction

Reconstitution

It is recommended to reconstitute the lyophilized protein in sterile H_2O to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

Shipping

The product is shipped with polar packs. Upon receipt, store it immediately at -20°C or lower for long term storage.

Stability & Storage

This product is stable after storage at:

- -20°C for 12 months in lyophilized state from date of receipt.
- -20°C or -80°C for 1 month under sterile conditions after reconstitution.

Avoid repeated freeze/thaw cycles.

Image

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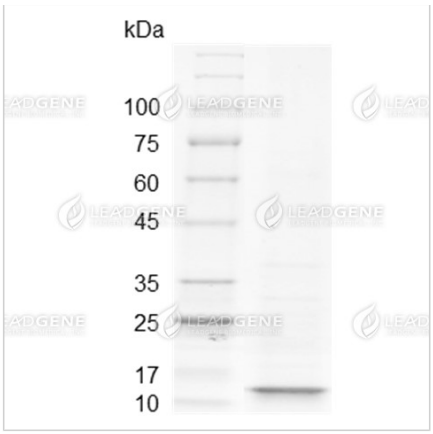

SDS-PAGE analysis of recombinant human Irisin.

Disclaimer : For Research Use or Further Manufacturing Only.

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