

## 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

#### Affinity Tag

Tag Free

#### Purity

>90% as determined by SDS-PAGE analysis.

#### Endotoxin Level

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

#### Expression System

Escherichia coli

#### Storage Buffer

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

#### 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).

#### 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.

### Uniprot ID

#Q8NAU1

### Synonyms

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

### Sequence Note

Asp32-Glu143

## Instruction

### Reconstitution

It is recommended to reconstitute the lyophilized protein in sterile H<sub>2</sub>O to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

### 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.

### Shipping

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

## Image

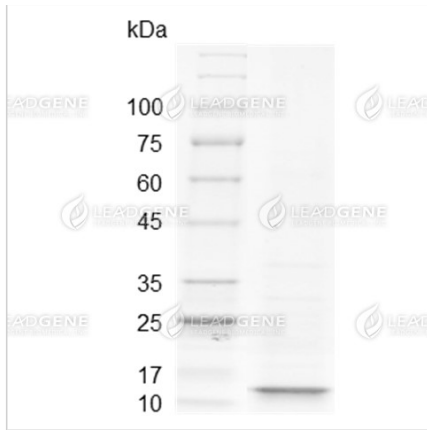
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SDS-PAGE analysis of  
recombinant human Irisin.

**Disclaimer :** For Research Use or Further Manufacturing Only.

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