

# Recombinant Human/Mouse/Rat Irisin/FNDC5 Protein

Catalog No.: RP01164 **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Human/Mouse/Rat	252995	Q8NAU1

### Tags

C-His

### Synonyms

FRCP2;irisin;FNDC5

## Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE.

### Endotoxin

< 0.1 EU/μg of the protein by LAL method.

### Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.

### Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

## Contact

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## Background

### Basic Information

#### Description

Recombinant Human/Mouse/Rat Irisin/FNDC5 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Asp32-Glu143) of Human/Mouse/Rat Irisin (Accession #NP\_715637.2) fused with a 6×His tag at the C-terminus.

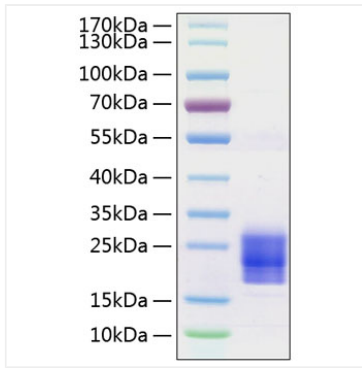
#### Bio-Activity

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.

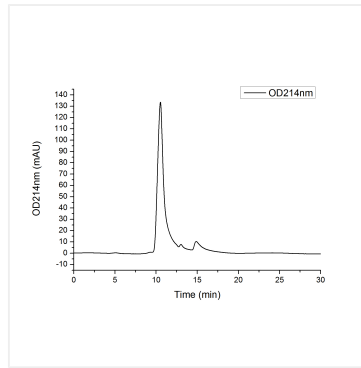
#### Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.

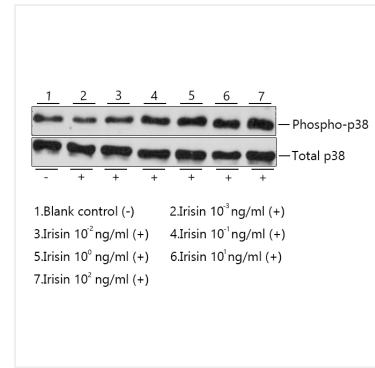
## Validation Data



Recombinant human Irisin Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 20-28 kDa..



The purity of Human/Mouse/Rat Irisin Protein (Cat.RP01164) was greater than 90% as determined by SEC-HPLC.



3T3-L1 preadipocytes were incubated with 1 pg/mL-0.1µg/mL of Recombinant Human Irisin for 12 minutes. The cells were lysed and Western blots were performed with anti-phospho p38 MAPK and total p38 MAPK antibodies.