

Recombinant Human/Mouse/Rat Irisin/FNDC5 Protein

Catalog No.: RP01164 Recombinant

Sequence Information

Species Gene ID Swiss Prot Human/Mous 252995 Q8NAU1 e/Rat

Tags

C-His

Synonyms

FRCP2;irisin;FNDC5

Product Information

Source

Purification

HPLC.

HEK293 cells ≥

≥ 95 % as determined by SDS-PAGE;≥ 90 % as determined by

Calculated MW Observed MW

13.43 kDa 20-28 kDa

Endotoxin

< 0.1 EU/ μ g 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 stablizer (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 Cterminus.

Bio-Activity

Measured by its ability to induce p38 MAPK activation in 3T3 L1 mouse embryonic fibroblast adipose-like cells. 0.1 μ g/mL of Recombinant Human Irisin can effectively induce p38 MAPK activation.

Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

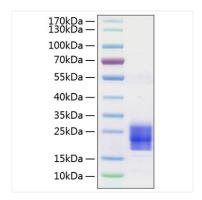
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

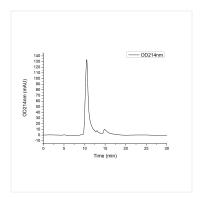
Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

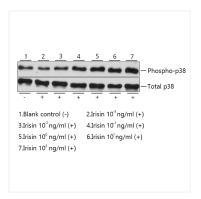
Validation Data



Recombinant Human/Mouse/Rat Irisin/FNDC5 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



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 antiphospho p38 MAPK and total p38 MAPK antibodies.