

Recombinant Human/Mouse/Rat Irisin/FNDC5 Protein

Catalog No.: RP01164

Sequence Information

Species **Gene ID**
Human/Mouse 252995
/Rat

Swiss Prot **Tags**
Q8NAU1 C-His

Synonyms
FRCP2,irisin,FNDC5

Product Information

Source **Purification**
HEK293 cells ≥ 95 % as
determined by
SDS-PAGE; ≥ 90
% as determined
by HPLC.

Calculated MW **Observed MW**
13.43 kDa 20-28 kDa

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.

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.

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.

Shipping

Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C

Operational Notes

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

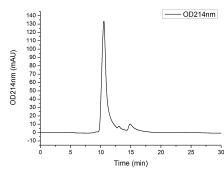
Contact

☎ | 400-999-6126

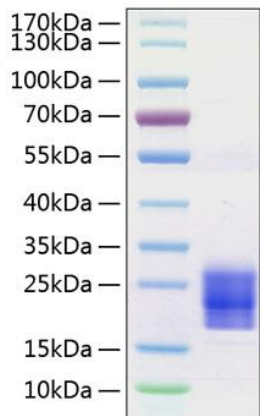
✉ | cn.market@abclonal.com.cn

🌐 | www.abclonal.com.cn

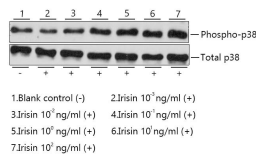
Validation Data



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



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



3T3-L1 preadipocytes were incubated with 1 pg/mL–0.1 µg/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.