

Irisin Active Protein | FNDC5 active protein

Recombinant Human/Mouse/Rat Irisin Protein

CATALOG #
AAA282163

HOST
HEK293 cells

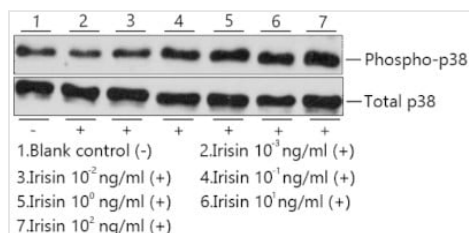
PRODUCT SYNONYMS

Irisin; Recombinant Human/Mouse/Rat Irisin Protein; fibronectin type III domain containing 5; fibronectin type III domain-containing protein 5; FNDC5; FRCP2; FRCP2Fibronectin type III repeat-containing protein 2; FNDC5 active protein

PRODUCT SPECIFICATIONS

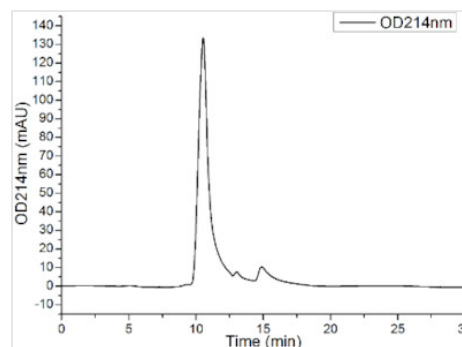
Host	HEK293 cells
Purity/Purification	>95% by SDS-PAGE.
Form/Format	Lyophilized from a 0.22 um filtered solution of PBS, pH 7.4.
Species	Human
Species Reactivity/CrossReactivity	Human, Mouse, Rat
Endotoxin	<0.1EU/ug of the protein by LAL method.
Tag	C-His
Reconstitution	Centrifuge the vial before opening. 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.
BioActivity	Measured by its ability to induce p38 MAPK activation in 3T3 L1 mouse embryonic fibroblast adipose-like cells. 0.1 ?g/mL of Recombinant Human Irisin can effectively induce p38 MAPK activation.
Preparation and Storage	Store the lyophilized protein at -20°C to -80°C for long term. 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.

IMAGES



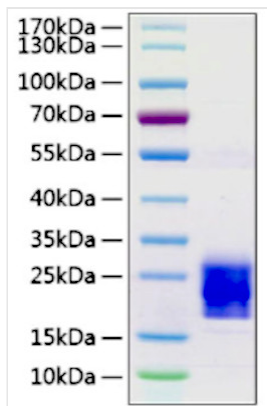
WB (Western Blot)

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



Size Exclusion Chromatography-HPLC

The purity of Human/Mouse/Rat Irisin Protein (Cat.AAA282163) was greater than 90% as determined by SEC-HPLC.



SDS-PAGE

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

ADDITIONAL INFORMATION

Related Product Information for FNDC5 active protein	Recombinant Human/Mouse/Rat Irisin Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Asp32-Glu143) of human Irisin (Accession #NP_715637.2) fused with a 6×His tag at the C-terminus.
Product Categories/Family for FNDC5 active protein	Other Recombinant Protein

NCBI AND UNIPROT INFORMATION

NCBI GI #	511094000
NCBI GeneID	252995
NCBI Accession #	NP_715637.2
NCBI GenBank Nucleotide #	NM_153756.2
UniProt Accession #	Q8NAU1; Q6P6D9; Q7Z676; A6NMC9; D3DPQ6
NCBI Official Full Name	fibronectin type III domain-containing protein 5 isoform 2 preproprotein
NCBI Official Synonym Full Names	fibronectin type III domain containing 5
NCBI Official Symbol	FNDC5
NCBI Official Synonym Symbols	FRCP2; irisin
NCBI Protein Information	fibronectin type III domain-containing protein 5
UniProt Protein Name	Fibronectin type III domain-containing protein 5
UniProt Gene Name	FNDC5
UniProt Synonym Gene Names	FRCP2
UniProt Entry Name	FNDC5_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.