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Irisin, human recombinant protein

Fibronectin Type III Domain-containing Protein 5, (cleaved); Fibronectin Type III Repeat-containing

Catalog # PBV10888r

Specification

Irisin, human recombinant protein - Product info

Primary Accession	Q8NAU1
Calculated MW	~13.0 kDa KDa

Irisin, human recombinant protein - Additional Info

Gene ID	252995
Gene Symbol	FNDC5

Other Names
Fibronectin Type III Domain-containing Protein 5, (cleaved); Fibronectin Type III Repeat-containing Protein 2 (cleaved); FNDC5 (cleaved).

Gene Source	Human
Source	E. coli
Assay&Purity	SDS-PAGE; ≥95%
Assay2&Purity2	N/A;
Recombinant	Yes

Target/Specificity
Irisin

Application Notes
Reconstitute to 0.1 mg/ml with sterile water

Format
Lyophilized powder

Storage
-20°C; Lyophilized from PBS.

Irisin, human recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Irisin, human recombinant protein - Images

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Irisin, human recombinant protein - Background

Irisin is a recently described exercise-induced hormone secreted by skeletal muscle in mice and humans. Irisin activates beige fat cells (beige cells have a gene expression pattern distinct from either white or brown fat and are preferentially sensitive to the polypeptide hormone Irisin). Irisin is cleaved from the type I membrane protein FNDC5 and improves systemic metabolism by increasing energy expenditure.

Irisin, human recombinant protein - References

Ota T.,et al.Nat. Genet. 36:40-45(2004).
Gregory S.G.,et al.Nature 441:315-321(2006).
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.
Bechtel S.,et al.BMC Genomics 8:399-399(2007).
Bostrom P.,et al.Nature 481:463-468(2012).