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## 32-3840: FNDC5 Yeast Recombinant Protein

**Alternative Name :** Fibronectin type III domain-containing protein 5,Fibronectin type III repeat-containing protein 2,Irisin,FRCP2,FNDC5.

## Description

Source : Yeast. Fibronectin Type III Domain Containing 5 Human Recombinant produced in yeast is a glycosylated, polypeptide chain containing 110 amino acids and having a molecular mass of 20-25 kDa.FNDC5 is purified by proprietary chromatographic techniques. Fibronectin Type III Domain Containing 5 (Irisin) is a newly discovered hormone, secreted into circulation by muscle, which acts on white adipocytes and promotes WAT 'browning'. r-Irisin can reduce body weight and cause induction of brown adipocyte in vivo, including a capacity for thermogenic energy expenditure mediated by uncoupling protein 1 (UCP-1). Irisin mature protein is comprised of 110 amino acid residues and two potential glycosylation sites. High levels of Irisin can be found in the heart whereas Very low expression is found in the colon, pancreas and spleen, if any.

## Product Info

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|---|---|
| **Amount :** | 10 µg |
| **Purification :** | Greater than 98.0% as determined by SDS-PAGE. |
| **Content :** | The FNDC5 was lyophilized from 0.45µm filtered solution in PBS. |
| **Storage condition :** | Lyophilized Fibronectin Type III Domain Containing 5 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution FNDC5 should be stored at 4°C between 2-7 days and for future use below -18°C.Please prevent freeze-thaw cycles. |
| **Amino Acid :** | S_P__S__A__P__V__N__V__T__V__R__H__L__K__A__N__S__A__V__V__S_<br>W__D__V__L__E__D__E__V__V__I__G__F__A__I__S__Q__Q__K__K__D<br>_V__R__M__L__R__F__I__Q__E__V__N__T__T__T__R__S__C__A__L__W_ _<br>D__L__E__E__D__T__E__Y__I__V__H__V__Q__A__I__S__I__Q__G__Q_<br>S__P__A__S__E__P__V__L__F__K__T__P__R__E__A__E__K__M__A__S_ K__N__K__D__E__V__T__M__K__E. |

## Application Note

It is recommended to reconstitute the lyophilized Fibronectin Type III Domain Containing 5 in sterile 18M-cm H2O not less than 100ÃÂµg/ml, which can then be further diluted to other aqueous solutions. The biological activity of recombinant human irisin was measured by the ability to induce UCP-1 expression of adipocytes. The specific activity is 10ng/ml.