

## Recombinant Human FNDC5 Protein

**Cat. No.** FNDC5-134H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                               |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant full length human FNDC5 protein (1-111) was expressed in E. coli. An N-terminal His-tag and SUMOpro tag were removed by cleavage with SUMO protease 1 (Ulp1).                                                                                                                                                                                                     |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                        |
| <b>ProteinLength</b>    | 1-111                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Description</b>      | This gene encodes a secreted protein that is released from muscle cells during exercise. The encoded protein may participate in the development of brown fat. Translation of the precursor protein initiates at a non-AUG start codon at a position that is conserved as an AUG start codon in other organisms. Alternative splicing results in multiple transcript variants. |
| <b>Molecular Mass</b>   | 12.4 kDa                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Purity</b>           | ≥90% as determined by SDS-PAGE                                                                                                                                                                                                                                                                                                                                                |
| <b>Stability</b>        | ≥ 6 months                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Storage</b>          | At -80 centigrade.                                                                                                                                                                                                                                                                                                                                                            |
| <b>Storage Buffer</b>   | 50 mM Tris pH 8.0, 150 mM sodium chloride, and 20% glycerol                                                                                                                                                                                                                                                                                                                   |

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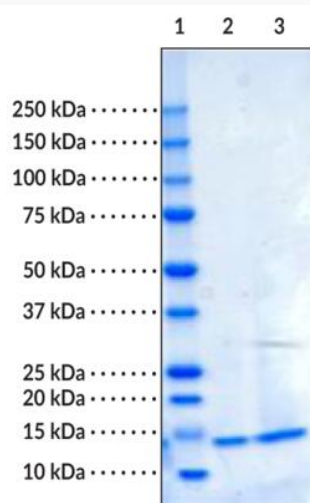
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 45-1 Ramsey Road, Shirley, NY 11967, USA

## GENE INFORMATION

|                        |                                                                                                                                                                    |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | FNDC5 fibronectin type III domain containing 5 [ Homo sapiens (human) ]                                                                                            |
| <b>Official Symbol</b> | <b>FNDC5</b>                                                                                                                                                       |
| <b>Synonyms</b>        | FNDC5; fibronectin type III domain containing 5; FRCP2; irisin; fibronectin type III domain-containing protein 5; fibronectin type III repeat-containing protein 2 |
| <b>Gene ID</b>         | 252995                                                                                                                                                             |
| <b>mRNA Refseq</b>     | NM_153756                                                                                                                                                          |
| <b>Protein Refseq</b>  | NP_715637                                                                                                                                                          |
| <b>MIM</b>             | 611906                                                                                                                                                             |
| <b>UniProt ID</b>      | Q8NAU1                                                                                                                                                             |

### SDS-PAGE analysis of Irisin



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Lane 1: MW Ladder

Lane 2: Irisin (2 µg)

Lane 3: Irisin (5 µg)

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