

## FNDC4, human/mouse recombinant

<b>CATALOG #:</b>	7573-10	10 µg
<b>ALTERNATE NAMES:</b>	Fibronectin Type III Domain-containing Protein 4; Fibronectin Type III Repeat-containing Protein 1	
<b>SOURCE:</b>	E Coli	
<b>PURITY:</b>	≥ 95% by SDS-PAGE gel	
<b>MOL. WEIGHT:</b>	~16.0 kDa. (Extracellular domain, human (aa 45-167) / mouse (aa 41-163)) is untagged. FNDC4 extracellular domain has 100% identity between human, mouse, rat, dog and monkey.	
<b>ENDOTOXIN LEVEL:</b>	<0.01 EU/µg purified protein (LAL test; Lonza).	
<b>FORM:</b>	Lyophilized	
<b>FORMULATION:</b>	Lyophilized in PBS.	
<b>RECONSTITUTION:</b>	Reconstitute with 100 µl sterile distilled water.	
<b>STORAGE CONDITIONS:</b>	Prepare aliquots and store at -20°C. Avoid repeated freeze/thaw cycles.	
<b>DESCRIPTION:</b>	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. FNDC4 is an ortholog of FNDC5 with 50% identity and 86% similarity compared to Irisin. FNDC4 as well as FNDC5 are extremely well conserved between species. The function of FNDC4 is unknown. The human FNDC4 gene is highly enriched in liver, brain tissue and adipocytes.	

**RELATED PRODUCTS:**

- FNDC5, human/mouse recombinant (**Cat. No. 7574-10**)
- Irisin, human recombinant (**Cat. No. 7263-10**)
- Irisin Competitive ELISA Kit (**Cat. No. K4761-100**)
- Irisin Antibody (**Cat. No. 6635-10**)
- Human CellExp™ IL20RB /IL-20R2, human recombinant (**Cat. No. 7447-10, -50**)

**FOR RESEARCH USE ONLY! Not to be used in humans.**