

FNDC5, human/mouse recombinant

CATALOG #:	7574-10	10 µg
ALTERNATE NAMES:	Fibronectin Type III Domain-containing Protein 5; Fibronectin Type III Repeat-containing Protein 2	
SOURCE:	E Coli	
PURITY:	≥ 95% by SDS-PAGE gel	
MOL. WEIGHT:	~16.0 kDa. (extracellular domain, human (aa 32-152) / mouse (aa 29-149)) is untagged. FNDC5 extracellular domain has 100% identity between human, mouse and rat.	
ENDOTOXIN LEVEL:	<0.01 EU/µg purified protein (LAL test; Lonza).	
FORM:	Lyophilized	
FORMULATION:	Lyophilized in PBS.	
RECONSTITUTION:	Reconstitute with 100 µl sterile distilled water.	
STORAGE CONDITIONS:	Prepare aliquots and store at -20°C. Avoid repeated freeze/thaw cycles.	
DESCRIPTION:	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.	

RELATED PRODUCTS:

- FNDC4, human/mouse recombinant (**Cat. No. 7573-10**)
- 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.