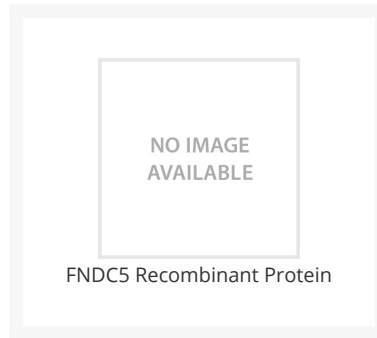




FNDC5 Recombinant Protein

Cat. No.: 90-308



Ψ Specifications

SPECIES:	Human, Mouse, Rat
SOURCE SPECIES:	E. coli
SEQUENCE:	FNDC5 (extracellular domain, human (aa 32-152) / mouse (aa 29-149)) is untagged. FNDC5 extracellular domain has 100% identity between human, mouse and rat.
FUSION TAG:	Tag Free
TESTED APPLICATIONS:	
APPLICATIONS:	This recombinant proteins is for research use only.

Ψ Properties

PURITY:	>95% (SDS-PAGE). Endotoxin level is less than 0.01EU/ µg purified protein (LAL test; Lonza).
PHYSICAL STATE:	Lyophilized
BUFFER:	Contains PBS. Reconstitute with 100 µl sterile water.
CONCENTRATION:	0.1mg/ml after reconstitution.
STORAGE CONDITIONS:	Stable for at least 6 months after receipt when stored at -20 °C.

OFFICIAL SYMBOL:	FNDC5
ALTERNATE NAMES:	Fibronectin Type III Domain-containing Protein 5, Fibronectin Type III Repeat-containing Protein 2
ACCESSION NO.:	Q8NAU1
PROTEIN GI NO.:	403314395
GENE ID:	252995

Background and References

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.
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