

Recombinant Active Human FNDC5 Protein, His-tagged(C-ter)

Cat. No. FNDC5-102H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Active Human FNDC5 Protein with His tag (C-ter) was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Asp32-Glu143
Description	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. [provided by RefSeq, Jun 2013]
Form	Powder
Bio-activity	Measured by its ability to induce p38 MAPK activation in 3T3-L1 mouse embryonic fibroblast adipose-like cells. 0.1 µg/mL of Recombinant Human Irisin can effectively induce p38 MAPK activation.
Endotoxin	Endotoxin level is less than 0.1 EU/µg of the protein, as determined by the LAL test.
Purity	> 95% (by SDS-PAGE)

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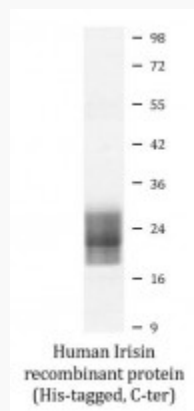
 45-1 Ramsey Road, Shirley, NY 11967, USA

Applications	FuncSt, SDS-PAGE
Notes	For laboratory research only, not for drug, diagnostic or other use.
Storage	Lyophilized protein should be stored at -20°C or -80°C. After reconstitution, aliquot and store at -20°C for up to one month, at 2-8°C for up to one week. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening.
Storage Buffer	PBS (pH 7.4)
Reconstitution	Reconstitute to a concentration of 0.1-0.5 mg/ml in sterile distilled water.
GENE INFORMATION	
Gene Name	FNDC5 fibronectin type III domain containing 5 [Homo sapiens]
Official Symbol	FNDC5
Synonyms	FNDC5; fibronectin type III domain containing 5; fibronectin type III domain-containing protein 5; FRCP2; fibronectin type III repeat-containing protein 2;
Gene ID	252995
mRNA Refseq	NM_001171940
Protein Refseq	NP_001165411
MIM	611906
UniProt ID	Q8NAU1

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SDS-PAGE

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