Recombinant Human FNDC5 Protein (Asp32-Glu143), Animal-free, Carrier-free

Cat. No. FNDC5-114H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FNDC5 Protein (Asp32-Glu143) without tag was expressed in E. coli and Animal-free as well as Carrier-free.
Species	Human
Source	E.coli
ProteinLength	Asp32-Glu143
Description	Irisin is a transmembrane glycoprotein which is encoded by the Fibronectin type III domain-containing protein 5 gene. Irisin is secreted from skeletal muscle after exercise. Irisin induces the expression of thermogenin in adipocytes which prevents weight gain. The production of irisin is during the muscular contraction. Irisin likes a myokine after exercise which could do the conversion of white fat to brown fat in human.
Form	Lyophilized
Molecular Mass	The protein has a calculated MW of 12.70 kDa. The protein migrates as 10-17 kDa under reducing condition (SDS-PAGE analysis).
Endotoxin	< 0.1 EU/μg of the protein by the LAL method.
Purity	>90% as determined by SDS-PAGE analysis.

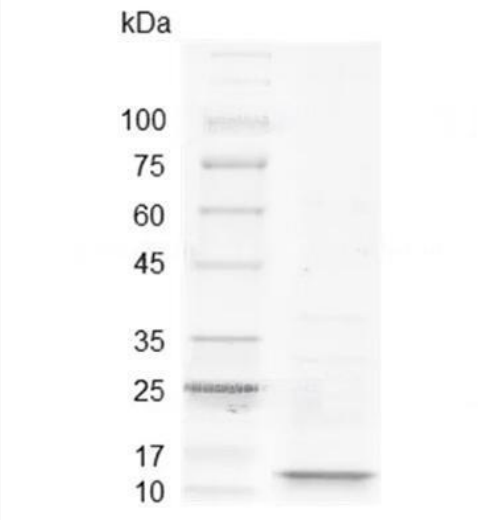
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Storage	This product is stable after storage at: -20 centigrade for 12 months in lyophilized state from date of receipt. -20 or -80 centigrade for 1 month under sterile conditions after reconstitution. Avoid repeated freeze/thaw cycles.
Storage Buffer	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H2O to a concentration not less than 200 μg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at -20 centigrade or lower for long term storage.

GENE INFORMATION

Gene Name	FNDC5 fibronectin type III domain containing 5 [Homo sapiens (human)]
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

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UniProt ID	Q8NAU1
SDS-PAGE analysis of recombinant human Irisin.	

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