

Fibronectin Type III Domain Containing 5 Human Recombinant, Yeast

Item Number	rAP-3311
Synonyms	Fibronectin type III domain-containing protein 5, Fibronectin type III repeat-containing protein 2, Irisin, FRCP2, FNDC5.
Description	Fibronectin Type III Domain Containing 5 Human Recombinant produced in yeast is a glycosylated, polypeptide chain containing 110 amino acids and having a molecular mass of 20-25 kDa. FNDC5 is purified by proprietary chromatographic techniques.
Uniprot Accession Number	Q8NAU1
Amino Acid Sequence	S P S A P V N V T V R H L K A N S A V V S _ W D V L E D E V V I G F A I S Q Q K K D _ V R M L R F I Q E V N T T T R S C A L W _ D L E E D T E Y I V H V Q A I S I Q G Q _ S P A S E P V L F K T P R E A E K M A S _ K N K D E V T M K E .
Source	 Yeast.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized Fibronectin Type III Domain Containing 5 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution FNDC5 should be stored at 4°C between 2-7 days and for future use below -18°C. Please prevent freeze-thaw cycles.
Formulation and Purity	The FNDC5 was lyophilized from 0.45 µm filtered solution in PBS. Greater than 98.0% as determined by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized Fibronectin Type III Domain Containing 5 in sterile 18M-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	The biological activity of recombinant human irisin was measured by the ability to induce UCP-1 expression of adipocytes. The specific activity is 10ng/ml.
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**