

Fibronectin Type III Domain Containing 5 Human Recombinant

Item Number	rAP-3310
Synonyms	Fibronectin type III domain-containing protein 5, Fibronectin type III repeat-containing protein, Fibronectin Type III Repeat-Containing Protein 2, Irisin, FNDC5, FRCP2.
Description	FNDC5 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain (a.a 32-143) containing 122 amino acids including a 10 a.a N-terminal His tag. The total molecular mass is 13.8kDa (calculated).
Uniprot Accession Number	Q8NAU1
Amino Acid Sequence	MKHHHHHHASDSPSAPVNVTVRHLKANSVVSVDVLEDEVVIGFAISQQK KDVRMLRFIQ EVNTTTRSCALWDLEEDTEYIVHVQAISIQGQSPASEPVLFKTPREAEKMASKNKDEVTMKE.
Source	Escherichia Coli.
Physical Appearance and Stability	Filtered White lyophilized (freeze-dried) powder. Store lyophilized protein at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C.
Formulation and Purity	FNDC5 filtered (0.4 µm) and lyophilized from 0.5mg/ml in phosphate buffered saline. Greater than 95.0% as determined by SDS-PAGE.
Application	
Solubility	It is recommended to add 200µl deionized water to prepare a working stock solution of approximately 0.5mg/ml and let the lyophilized pellet dissolve completely. FNDC5 is not sterile! Please filter the product by an appropriate sterile filter before using
Biological Activity	
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**