

Irisin Protein, Human/Mouse/Rat (HEK293, Fc)

Cat. No.:	HY-P70665
Synonyms:	Fibronectin type III domain-containing protein 5; Fibronectin type III repeat-containing protein 2; Irisin; FNDC5
Species:	Human
Source:	HEK293
Accession:	Q8NAU1 (D32-E143)
Gene ID:	252995
Molecular Weight:	45-60 kDa

PROPERTIES

AA Sequence	D 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
Biological Activity	Measured by its ability to inhibit proliferation of A549 cells. The IC ₅₀ for this effect is 0.651 ng/mL, corresponding to a specific activity is 1.5361×10 ⁶ units/mg.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4 or 20 mM PB, 150 mM NaCl, pH 7.4.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer. It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

Caution: Product has not been fully validated for medical applications. For research use only.

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