

PRODUCT INFORMATION SUMMARY

Human Irisin

(FNDC5)

Purified Factor	Product Number	HC42120B	10.0 ug
	Product Number	HC42120A	2.0 ug

DESCRIPTION:

Human Irisin , a derivative of plasma membrane Fibronectin type III, and is released into circulation by skeletal muscle during exercise. Irisin is considered a proteolytic hormone, and can induce the browning of subcutaneous adipocytes (brown fat). This may be important in treatments for obesity and diabetes. Human Irisin is a glycosylated homodimer with two 112 aa. monomers. Apparent Molecular weight is 28 kDa based upon SDS PAGE analysis.

SOURCE: CHO cells
Purity > 92% by HPLC analysis
Endotoxin < 0.1 ng per ug Irisin
Sterile-filtered and lyophilized from PBS

BIOLOGICAL ACTIVITY:

This human Irisin was observed to promote cell survival and growth of Rat H9c2 cardio blasts during serum starvation.

X-REACTIVITY: reactive in Mouse and Rat

HANDLING AND STORAGE:

Purified Human Irisin factor is provided lyophilized. Store lyophilized, at -20° C. Microcentrifuge before reconstitution (see below). Upon reconstitution with distilled or sterile water to approx. concentration of 100 ug/mL further dilute in PBS or other buffered solutions containing 0.1% BSA. Store small aliquots at -20° C, with addition of 0.1% BSA for long-term storage - up to 3 months, at high concentration.

Before opening vial, it is recommended to microcentrifuge vial for 30 seconds to spin-down any lyophilized material that may adhere to top of vial. The small amounts of protein may adhere to the vial as a very thin coat of lyophilized material, and may be difficult to see as a pellet.

RESEARCH USE ONLY -NOT for DRUG USE