

Human/Murine/Rat Irisin

Synonyms: Fibronectin type III domain-containing protein 5, Fibronectin type III repeat-containing protein 2, Irisin, FRCP2, FNDC5.

PLEASE NOTE: ALWAYS CENTRIFUGE VIAL BEFORE OPENING

Size	Order #	Lot #	Expiry Date
2 µg	4505.953.002		
10 µg	4505.953.010		
1 mg	4505.953.199		

Please enquire for bulk quantities and other vial sizes

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.

- **Source** Yeast
- **Purity** ≥ 98 % (SDS-PAGE)
- **Endotoxin level** ≤ 0.1ng/µg (≤ 1EU/µg)
- **Buffer** The FNDC5 was lyophilized from 0.45 µm filtered solution in PBS*
- **Physical state** Sterile filtered, lyophilized

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.

Reconstitution

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.

Stability

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 avoid repeated freeze-thaw cycles.**

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

Usage: For research use only. Not for use in diagnostic or therapeutic procedures. Not for human use.

*The Buffer may vary depending on the Lot #. Please contact our technical support if you have specific requirements.

ORDERING
 Tel.: +49 40 43208448-0
 order@active-bioscience.de
 www.active-bioscience.de

TECHNICAL SUPPORT
 Tel.: +49 40 43208448-11
 support@active-bioscience.de

Active Bioscience GmbH
 Oberaltenallee 8
 D-22081 Hamburg
 HRB 98170 Amtsgericht Hamburg