

Human FNDC5 Recombinant Protein



RPPB3550

Product Information Protein Information

Product SKU:

RPPB3550

Accession:

Q8NAU1

Host:

Yeast.

Protein 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.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

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

Formulation:

The FNDC5 was lyophilized from 0.45 µm filtered solution in PBS.

Purity:

Greater than 98.0% as determined by SDS-PAGE.

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.

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 prevent 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.

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.