

Fibronectin Recombinant, Oryza

Fibronectin, Oryza Human Recombinant

NTP0030

Product Overview

Name	Fibronectin Recombinant, Oryza
Accession(Primary)	P02751
Description	Fibronectin, Oryza Human Recombinant

Target information (P02751)

Gene Name

About Gene Symbol

FN1 (Fibronectin 1) is a protein kinase and signaling regulator involved in cell migration and invasion. It is an important research target in cancer, cell signaling, and therapeutic target research and is widely studied to elucidate cellular mechanisms and identify therapeutic targets.

Background

Fibronectin takes part in several cellular processes, including tissue repair, embryogenesis, blood clotting, and cell migration/adhesion. Plasma fibronectin level is elevated in severe coronary artery disease. Increased plasma fibronectin levels are related with venous thromboembolism mainly in males, and extend the probable association between biomarkers and risk factors for arterial atherothrombosis and VTE. Fibronectin consists in 2 main forms: 1) as an insoluble glycoprotein dimer that serves as a linker in the extracellular matrix and 2) as a soluble disulphide linked dimer found in the plasma. The plasma form is produced by hepatocytes, and the ECM form is synthesized by fibroblasts, chondrocytes, endothelial cells, macrophages, as well as certain epithelial cells. Fibronectin also takes part as a general cell adhesion molecule by anchoring cells to collagen or proteoglycan substrates. Fibronectin

organizes cellular interaction with the ECM by binding to different components of the extracellular matrix and to membrane-bound Fibronectin receptors on cell surfaces.