

MUC1 (47 a.a.) Human

Mucin-1 (47 a.a.) Human Recombinant

RCP1414

Product Overview

Name	MUC1 (47 a.a.) Human
Accession(Primary)	P15941
Description	Mucin-1 (47 a.a.) Human Recombinant

Target information (P15941)

Gene Name

About Gene Symbol

Background

Human Mucin-1 also known as MUC1, is a glycoprotein with extensive O-linked glycosylation of its extracellular domain. MUC1 has alpha and beta subunits that form a heterodimeric complex. The N-terminal alpha subunit roles in cell-adhesion and the C-terminal beta subunit is involved in cell signaling. Mucins line the apical surface of epithelial cells in the stomach, lungs, intestines, eyes and other tissues. Mucins protect the body from infection by pathogen binding to oligosaccharides in the extracellular domain, preventing the pathogen from reaching the cell surface. Overexpression of MUC1 can be related to various cancers.