
Product Data Sheet

Product Name: MUC1 Human
Cat. No.: GP26311
Batch No.: 1

Product Data

Purity	>98%	Source	Human carcinoma cell line.
Physical Appearance	solid	Shipping Condition	withIcePacks
Formulation	MUC1 is supplied in a 0.05M sodium phosphate buffer, pH 7.5, 0.09% NaN ₃ and 0.15M NaCl.		

Introduction

Human Mucin-1 (CA15-3), aka MUC1, is a glycoprotein with extensive O-linked glycosylation of its extracellular domain. This protein 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 CA15-3 is often associated with colon, breast, ovarian, lung and pancreatic cancers.

Stability

Human MUC1 although stable at 4°C for 1 week, should be stored at -20°C.

Background

The Human Mucin-1 (CA15-3) is having a molecular mass of approximately 400kDa, and was purified from human carcinoma cell line.

Caution: Product has not been fully validated for medical applications. For research use only.

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