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Datasheet for ABIN7275298 MUC1 Protein (AA 24-158) (Fc Tag)

2 Images



Overview

Quantity:	100 µg
Target:	MUC1
Protein Characteristics:	AA 24-158
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MUC1 protein is labelled with Fc Tag.

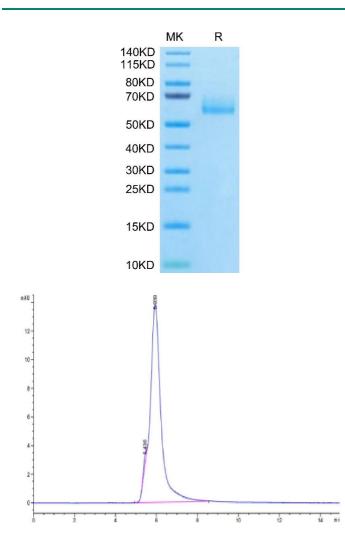
Product Details

Purpose:	Human MUC1 Isoform Y Protein
Sequence:	Ser24-Gly158
Characteristics:	Recombinant Human MUC1 Isoform Y Protein is expressed from HEK293 with hFc tag at the C- Terminus.It contains Ser24-Gly158.
Purity:	> 95 % as determined by Tris-Bis PAGE,> 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per μ g by the LAL method.
Target Details	

Target:	MUC1
Alternative Name:	MUC1 (MUC1 Products)

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Target Details	
Background:	MUC1, the transmembrane glycoprotein Mucin 1, is usually found to be overexpressed in a variety of epithelial cancers playing an important role in disease progression. MUC1 isoforms such as MUC1/Y, which lacks the entire variable number of tandem repeat region, are involved in oncogenic processes by enhancing tumour initiation. MUC1/Y is therefore considered a promising target for the identification and treatment of epithelial cancers.
Molecular Weight:	41.38 kDa. Due to glycosylation, the protein migrates to 55-65 kDa based on Tris-Bis PAGE result.
Pathways:	Negative Regulation of intrinsic apoptotic Signaling
Application Details	
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μ g/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



SDS-PAGE

Image 1. Human MUC1 Isoform Y on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Human MUC1 Isoform Y is greater than 95 % as determined by SEC-HPLC.

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