



[Go to Product page](#)

Datasheet for ABIN7534032
MUC1 Protein (Fc Tag,His tag)

Overview

Quantity:	100 µg
Target:	MUC1
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This MUC1 protein is labelled with Fc Tag,His tag.

Product Details

Purpose:	Active Recombinant Human MUC-1/CD227 Protein
Sequence:	MTPGTQSPFF LLLLLTVLTA TTAPKPATVV TGSGHASSTP GGEKETSATQ RSSVPSSTEK NAFNSSLEDP STDYYQELQR DISEMFLQIY KQGGFLGLSN IKFRPGSVVV QLTLAFREGT INVHDVETQF NQYKTEAASR YNLTISDVSV SDVPFPFSAQ SGAGVPG
Specificity:	Met1-Gly167
Purity:	> 97 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	< 0.1 EU/µg of the protein by LAL method.
Biological Activity Comment:	Measured by its ability to increase beta-catenin levels in the cytoplasm and nucleus of HCT116 human colon adenocarcinoma cells. 0.01-1 ng/mL of Recombinant Human MUC-1 can effectively increase beta-catenin levels.

Target Details

Target:	MUC1
Alternative Name:	MUC-1/CD227 (MUC1 Products)
Background:	<p>Description: The protein is a membrane-bound protein that is a member of the mucin family. Mucins are O-glycosylated proteins that play an essential role in forming protective mucous barriers on epithelial surfaces. These proteins also play a role in intracellular signaling. This protein is expressed on the apical surface of epithelial cells that line the mucosal surfaces of many different tissues including lung, breast stomach and pancreas. This protein is proteolytically cleaved into alpha and beta subunits that form a heterodimeric complex. The N-terminal alpha subunit functions in cell-adhesion and the C-terminal beta subunit is involved in cell signaling. Overexpression, aberrant intracellular localization, and changes in glycosylation of this protein have been associated with carcinomas.</p> <p>Name: ADMCKD,ADMCKD1,CA 15-3,CD227,EMA,H23AG,KL-6,MAM6,MCD,MCKD,MCKD1,MUC-1,MUC-1/SEC,MUC-1/X,MUC1/ZD,PEM,PEMT,PUM,MUC1,CA15-3,mucin-1, ADMCKD, ADMCKD1, CA 15-3, CD227, EMA, H23AG, KL-6, MAM6, MCD, MCKD, MCKD1, MUC-1, MUC-1/SEC, MUC-1/X, MUC1/ZD, PEM, PEMT, PUM, CA15-3, mucin-1</p>
Gene ID:	4582
UniProt:	P15941-11
Pathways:	Negative Regulation of intrinsic apoptotic Signaling

Application Details

Restrictions: For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.
Buffer:	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
Storage:	-20 °C,-80 °C
Storage Comment:	Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1

week.