

# Human MUC-1/Mucin 1/CD227 recombinant protein



Catalog Number: 503470

## General Information

### Gene Name Synonym

Breast carcinoma-associated antigen DF3; Cancer antigen 15-3; Carcinoma-associated mucin; Episialin; H23AG; Krebs von den Lungen-6; PEMT; Peanut-reactive urinary mucin; Polymorphic epithelial mucin; Tumor-associated epithelial membrane antigen; Tumor-associated mucin; Mucin-1 subunit alpha; Mucin-1 subunit beta; MUC1-CT

### Protein Construction

A DNA sequence encoding the human MUC1 isoform 2 (NP\_001018016.1) extracellular domain (Met 1-Gly 167) was expressed with six amino acids (LEVLFQ) at the C-terminus.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Purity

> (9.5+86.8) % as determined by SDS-PAGE

### Endotoxin

<1.0 EU per µg protein as determined by the LAL

method.

### Stability

Samples are stable for up to twelve months from date of receipt at -70°C

### Predicted N terminal

Ser 33

### Molecular Mass

The recombinant human MUC1 consists of 142 amino and has a predicted molecular mass of 15.4 kDa.

### Formulation

Lyophilized from sterile PBS, pH 7.4  
1. 5 % trehalose and mannitol are added as protectants before lyophilization.  
2. Please contact us for any concerns or special requirements.

## Usage Guide

### Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.