

Human MUC-1/Mucin 1/CD227 (Fc Tag) recombinant protein



Catalog Number: 503667

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 fused with the Fc region of human IgG1 at the C-terminus.

Organism

Human

Expression Host

Human Cells

QC Testing

Purity

> 90 % as determined by SDS-PAGE

Endotoxin

< 1.0 EU per µg of the 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/Fc is a disulfide-linked homodimer. The reduced monomer consists of 376 amino acids after removal the signal peptide and has a predicted molecular mass of 42 kDa. As a result of glycosylation, rh MUC1/Fc monomer migrates as an approximately 55-60 kDa band in SDS-PAGE under reducing conditions.

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

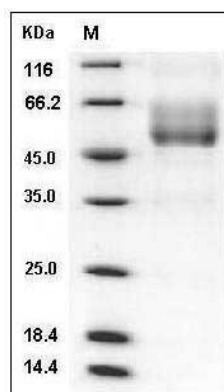
Storage

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.

SDS-PAGE



Human Mucin-1 / MUC-1 Protein (Fc Tag) SDS-PAGE