Biotinylated Recombinant Human MUC-16/CA125 Protein

Catalog No.: RP01417B

Sequence Information

Species
Human

Gene ID
94025

Swiss Prot
Q8WXI7

Tags
C-His&Avi

Synonyms
CA125; CA-125; CA125MUC-16; FLJ14303; MUC16

Product Information

Source
HEK293 cells

Purification
≥ 95 % as determined by Tris-Bis PAGE.

Calculated MW
31.3 kDa

Observed MW
52-80 kDa

Endotoxin
< 1 EU/μg of the protein by LAL method.

Formulation
Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

Reconstitution
Centrifuge the tube 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 stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Background

MUC16, also known as the CA125 antigen, is a mucin protein that may be found in type I transmembrane or secreted forms that are used monitor the progress of epithelial ovarian cancer therapy.Thought to provide a protective, lubricating barrier against particles and infectious agents at mucosal surfaces. Binding to MSLN mediates heterotypic cell adhesion. This may contribute to the metastasis of ovarian cancer to the peritoneum by initiating cell attachment to the mesothelial epithelium via binding to MSLN.

Basic Information

Description
Biotinylated Recombinant Human MUC-16/CA125 Protein is produced by Expi293 expression system. The target protein is expressed with sequence (Gly12660-Met12923) of Human MUC-16/CA125 fused with a His and Avi tag at the C-terminal.

Activity

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃

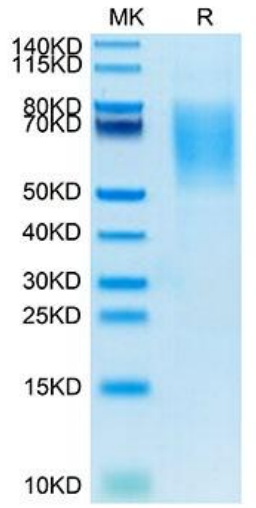
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

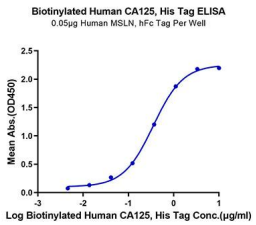
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Validation Data



Biotinylated Recombinant Human MUC-16/CA125 Protein was determined by Tris-Bis PAGE under reducing conditions.



Immobilized Human MSLN, hFc Tag at 0.5μg/ml (100μl/well) on the plate. Dose response curve for Biotinylated Human CA125, His Tag with the EC_{50} of 0.35μg/ml determined by ELISA.