

# Biotinylated Recombinant Human MUC-16/CA125 Protein

Catalog No.: RP01417B **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Human	94025	Q8WXI7

### Tags

C-His&Avi

### Synonyms

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

## Product Information

Source	Purification
HEK293 cells	≥ 95 % as determined by Tris-Bis PAGE.

Calculated MW	Observed MW
31.3 kDa	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 stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

## Contact

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## 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

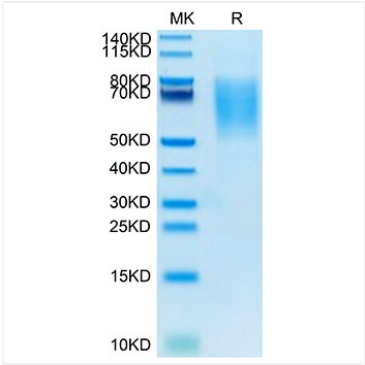
Biotinylated Recombinant Human MUC-16/CA125 Protein is produced by Expi293 expression system. The target protein is expressed with sequence (Gly12660-Met12923) of Human MUC-16/CA125 fused with a His and Avi tag at the C-terminal.

### Bio-Activity

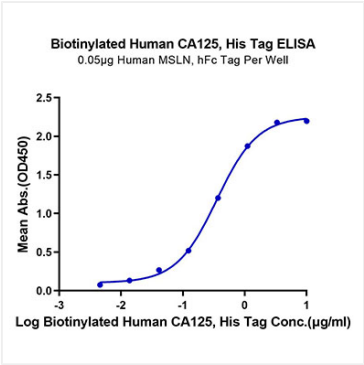
### Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80°C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.

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<sub>50</sub> of 0.35µg/ml determined by ELISA.