

MUC-16/CA125 active protein

Active Recombinant Human MUC-16/CA125 Protein

CATALOG #
AAA282507

HOST
HEK293 cells

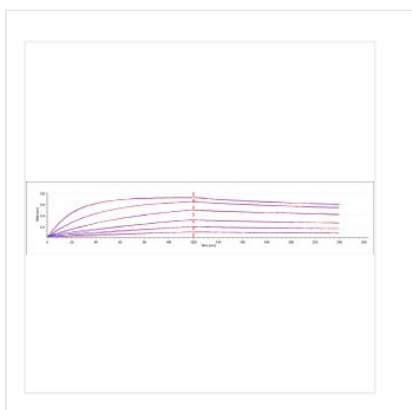
PRODUCT SYNONYMS

MUC-16/CA125; Active Recombinant Human MUC-16/CA125 Protein; CA125; MUC16; mucin-16; MUC-16/CA125 active protein

PRODUCT SPECIFICATIONS

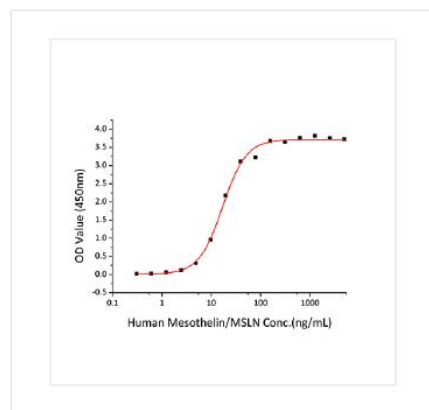
Host	HEK293 cells
Purity/Purification	> 95% by SDS-PAGE.
Form/Format	Liquid Lyophilized from a 0.22 um filtered solution of PBS, pH 7.4.
Species	Human
Endotoxin	< 0.1 EU/ug of the protein by LAL method.
Tag	C-His&Avi
Bioactivity	Loaded Human Mesothelin/MSLN Protein, C-hFc&His on ProA Biosensor, can bind Human CA125 Protein, C-His&Avi with an affinity constant of 17.2 nM as determined in BLI assay (Gator).
Preparation and Storage	Store the lyophilized protein at -20 to -80 degree C for 12 months. After reconstitution, the protein solution is stable at -20 degree C for 3 months, at 2-8 degree C for up to 1 week. Avoid repeated freeze/thaw cycles. Ship: Ice Pack

IMAGES



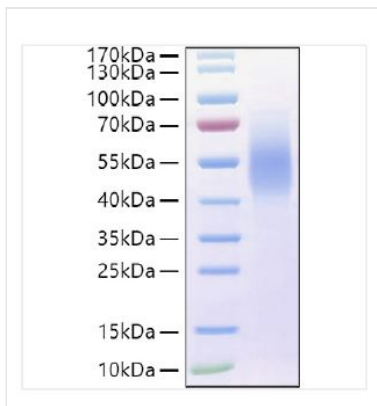
Application Data

Loaded Human Mesothelin/MSLN Protein, C-hFc&His on ProA Biosensor, can bind Human CA125 Protein, C-His&Avi (#AAA282507) with an affinity constant of 17.2 nM as determined in BLI assay (Gator).



Application Data

Immobilized Human CA125 at 5 ug/mL (100 uL/well) can bind Human Mesothelin/MSLN with a linear range of 0.3-17 ng/mL.



SDS-PAGE

Recombinant Human MUC-16/CA125 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 45-70kDa.

ADDITIONAL INFORMATION

Related Product Information for MUC-16/CA125 active protein	Active Recombinant Human MUC-16/CA125 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Gly12660-Met12923) of human CA125/MUC16 (Accession #NP_078966.2) fused with a 6×His, Avi tag at the C-terminus.
Product Categories/Family for MUC-16/CA125 active protein	Biosimilar Drug Targets

NCBI AND UNIPROT INFORMATION

NCBI GI #	83367077
NCBI GeneID	94025
NCBI Accession #	NP_078966.2
NCBI GenBank Nucleotide #	NM_024690.2
UniProt Accession #	Q8WXI7; Q6ZQW5; Q96RK2
Molecular Weight	2,353,428 Da
NCBI Official Full Name	mucin-16
NCBI Official Synonym Full Names	mucin 16, cell surface associated
NCBI Official Symbol	MUC16
NCBI Official Synonym Symbols	CA125
NCBI Protein Information	mucin-16; CA-125; MUC-16; CA125 ovarian cancer antigen; ovarian carcinoma antigen CA125; ovarian cancer-related tumor marker CA125
UniProt Protein Name	Mucin-16
UniProt Gene Name	MUC16
UniProt Synonym Gene Names	CA125; MUC-16; CA-125
UniProt Entry Name	MUC16_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.