

MUC-16/CA125 recombinant protein

Recombinant Human MUC-16/CA125 Protein

CATALOG #
AAA283373

HOST
HEK293 cells

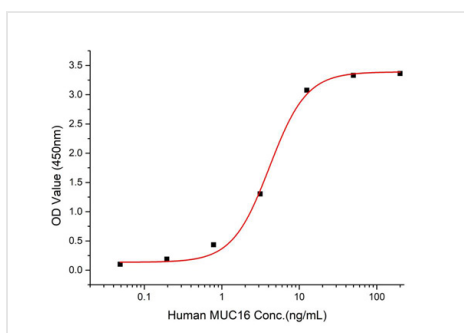
PRODUCT SYNONYMS

MUC-16/CA125; Recombinant Human MUC-16/CA125 Protein; Mucin-16; MUC-16; Ovarian cancer-related tumor marker CA125; CA-125; Ovarian carcinoma antigen CA125; MUC16; CA125; MUC-16/CA125 recombinant protein

PRODUCT SPECIFICATIONS

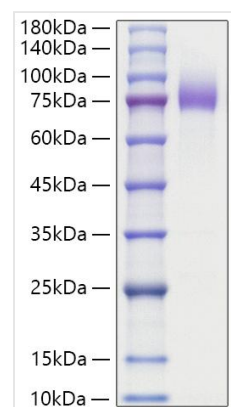
Host	HEK293 cells
Form/Format	Lyophilized from a 0.22 um filtered solution of PBS, pH7.4.
Sequence	GFTHWIPVPT SSTPGTSTVD LSGTTPSSLP SPTTAGPLL V PFTLNFTITN LKYEEDMHCP GSRKFNTTER VLQSLGPMF KNTSVGPLYS GCRLTLLRSE KDGAATGVDA ICTHRLDPKS PGVDREQLYW ELSQLTNGIK ELGPYTLDRN SLYVNGFTHQ TSAPNTSTPG TSTVDLTSG TPSSLPSPS AGPLLVPFTL NFTITNLQYE EDMHHPGSRK FNTTERVLQG LLGPMFKNTS VGLLYSGCRL TLLRPEKNGA ATGM
Species	Human
Tag	C-hFc
Endotoxin	<0.01EU/ug of the protein by LAL method.
Bio-Activity	Measured by its binding ability in a functional ELISA. Immobilized human Mesothelin/MSLN at 2ug/mL (100 uL/well) can bind human MUC16 with a linear range of 0.05-4.12ng/mL.
Preparation and Storage	Store at -20 degree C. Store the lyophilized protein at -20 degree C to -80 degree C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20 degree C for 3 months, at 2-8 degree C for up to 1 week.

IMAGES



Application Data

Immobilized human Mesothelin/MSLN at 2 ug/mL (100 uL/well) can bind human MUC16(#AAA283373) with a linear range of 0.05-4.12 ng/mL.



SDS-PAGE

Recombinant Human MUC-16/CA125 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 70-90 kDa.

ADDITIONAL INFORMATION

Related Product Information for MUC-16/CA125 recombinant protein	The CA125, also known as the MUC16, 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. The CA 125 molecule is almost certainly a glycoprotein with a predominance of O-linkages. It is heterogeneous with regard to both size and charge, most likely due to continuous deglycosylation of side chains during its life-span in bodily fluids. It exists as a very large complex (perhaps as much as 4 million daltons) under natural conditions.
Product Categories/Family for MUC-16/CA125 recombinant protein	Other Recombinant Protein; Proteins

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
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.

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Online datasheet: <https://stage.aaabiotech.com/muc16-recombinant-protein-hek293-cells/283373>