

Active Recombinant Human MUC16 Protein, Fc-Avi-tagged, Biotinylated

Cat. No. MUC16-43H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Human CA125, Fc Tag, Avi Tag is expressed from HEK293 cells. It contains AA Gly 12660 - Met 12923 (Accession # Q8WXI7-1). This protein carries a human IgG1 Fc tag at the C-terminus, followed by a Avi tag.
Species	Human
Source	HEK293
ProteinLength	12660-12923 a.a.
Predicted N Terminal	Gly 12660
Form	Lyophilized from 0.22 um filtered solution in 50 mM Tris, 100 mM Glycine, pH7.5, 10% trehalose.
Bio-activity	Immobilized Human Mesothelin, His Tag at 10 ug/mL (100 uL/well) can bind Biotinylated Human CA125, Fc Tag, Avi Tag with a linear range of 2-78 ug/mL.
Molecular Mass	The protein has a calculated MW of 56.9 kDa. The protein migrates as 75-100 kDa under reducing condition (SDS-PAGE) due to glycosylation.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	>95% as determined by SDS-PAGE.

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Characteristic	Biotinylation of this product is performed using Avitag technology. Briefly, the single lysine residue in the Avitag is enzymatically labeled with biotin. The biotin to protein ratio is 0.5-1 as determined by the HABA assay.
Stability	Samples are stable for up to twelve months from date of receipt at -70°C.
Storage	For long term storage, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. No activity loss is observed after storage at: 4-8°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.
Conjugation	Biotin

GENE INFORMATION

Gene Name	MUC16 mucin 16, cell surface associated [Homo sapiens]
Official Symbol	MUC16
Synonyms	MUC16; mucin 16, cell surface associated; mucin-16; CA125; FLJ14303; CA-125; MUC-16; CA125 ovarian cancer antigen; ovarian carcinoma antigen CA125; ovarian cancer-related tumor marker CA125;
Gene ID	94025
mRNA Refseq	NM_024690
Protein Refseq	NP_078966

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MIM	606154
UniProt ID	Q8WXI7

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