

Recombinant Mouse Muc16 Protein, His-tagged

Cat. No. Muc16-11021M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Mouse CA125 Protein, His Tag is expressed from human 293 cells (HEK293). It contains AA Asn 7750 - Pro 8422 (Accession # A0A140LJ72-1). This protein carries a polyhistidine tag at the C-terminus. Predicted N-terminus: Asn 7750
Species	Mouse
Source	HEK293
ProteinLength	7750-8422 aa
Description	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.
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.
Molecular Mass	The protein has a calculated MW of 76.7 kDa.
Endotoxin	Less than 1.0 EU/µg by the LAL method/rFC method.
Purity	>90% as determined by SEC-MALS.

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Storage This product is stable after storage at: -20 to -70 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution. For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower. Please avoid repeated freeze-thaw cycles.

Reconstitution It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 µg/µL. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.

GENE INFORMATION

Gene Name	Muc16 mucin 16 [<i>Mus musculus</i>]
Official Symbol	Muc16
Synonyms	MUC16; mucin 16; mucin-16; Ca125; Gm1480; 1110008I14Rik;
Gene ID	73732
mRNA Refseq	NM_001378248
Protein Refseq	NP_001365177
UniProt ID	A0A140LJ72

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