Recombinant Rat Muc16 Protein, His-tagged

Cat. No. Muc16-11023R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Rat CA125 Protein, His Tag is expressed from human 293 cells (HEK293). It contains AA Asn 8776 - Pro 9448 (Accession # XP_063122364.1). This protein carries a polyhistidine tag at the C-terminus. Predicted N-terminus: Asn 8776
Species	Rat
Source	HEK293
ProteinLength	8776-9448 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 77.2 kDa. The protein migrates as 33-45 kDa and 90-130 kDa when calibrated against Star Ribbon Pre-stained Protein Marker under reducing (R) condition (SDS-PAGE) due to glycosylation.
Purity	>90% as determined by SDS-PAGE. >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, cell surface associated [Rattus norvegicus (Norway rat)]
Official Symbol	Muc16
Synonyms	Muc16; mucin 16, cell surface associated; Muc16l; RGD1308422; mucin-16; mucin 16 like
Gene ID	315451
mRNA Refseq	XM_063266294
Protein Refseq	XP_063122364

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