Active Recombinant Monkey MUC16 Protein, His-tagged

Cat. No. MUC16-11020M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Cynomolgus CA125 Protein, His Tag is expressed from human 293 cells (HEK293). It contains AA Pro 11544 - Pro 12188. This protein carries a polyhistidine tag at the C-terminus. Predicted N-terminus: Pro 11544
Species	Monkey
Source	HEK293
ProteinLength	11544-12188 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.
Bio-activity	Immobilized Cynomolgus CA125 Protein, His Tag at 5 μg/mL (100 μL/well) can bind Biotinylated Human Mesothelin (296-580), Fc, Avitag, premium grade with a linear range of 0.01-0.313 μg/mL.
Molecular Mass	The protein has a calculated MW of 73.9 kDa. The protein migrates as 95-120 kDa

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 1.0 EU/μg by the LAL method/rFC method.
Purity	>90% as determined by SDS-PAGE. >90% as determined by SEC-MALS.
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 [Macaca mulatta (Rhesus monkey)]
Official Symbol	CA125
Synonyms	Muc16; mucin 16, cell surface associated; Muc16l; RGD1308422; mucin-16; mucin 16 like
Gene ID	106996460
mRNA Refseq	XM_077979761
Protein Refseq	XP_077835887

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