

# Active Recombinant Rhesus macaque MUC16 protein, His-tagged

**Cat. No.** MUC16-2977R    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                          |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Rhesus macaque MUC16 protein(Pro 13647-Pro 14291), fused with His tag, was expressed in HEK293.                                                                                              |
| <b>Species</b>          | Rhesus macaque                                                                                                                                                                                           |
| <b>Source</b>           | HEK293                                                                                                                                                                                                   |
| <b>ProteinLength</b>    | Pro 13647-Pro 14291                                                                                                                                                                                      |
| <b>Form</b>             | Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.                                                                               |
| <b>Bio-activity</b>     | Immobilized Rhesus macaque CA125 (13647-14291), His Tag at 5 µg/mL (100 µL/well) can bind Biotinylated Human Mesothelin, Fc,Avitag with a linear range of 0.002-0.313 µg/mL.                             |
| <b>Molecular Mass</b>   | This protein carries a polyhistidine tag at the C-terminus.The protein has a calculated MW of 73.9 kDa. The protein migrates as 95-140 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation. |
| <b>Endotoxin</b>        | Less than 0.1 EU per µg by the LAL method.                                                                                                                                                               |
| <b>Purity</b>           | >95% as determined by SDS-PAGE.>90% as determined by SEC-MALS.                                                                                                                                           |

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

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