

Recombinant Cynomolgus MUC1 protein, His-tagged

Cat. No. MUC1-0499C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Cynomolgus MUC1 protein(Leu254-Gly373), fused with His tag, was expressed in HEK293.
Species	Cynomolgus
Source	HEK293
ProteinLength	254-373 a.a.
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.
Molecular Mass	This protein carries a polyhistidine tag at the C-terminus. The mature form of Mucin-1 is a non-covalent heterodimeric complex with the proteolytically cleaved partial α and partial β chain. Each partial α and partial β chain has a calculated MW of 7.2 kDa (partial α chain) and 8.3 kDa (partial β chain). The protein migrates as 14 kDa (uncleaved), 12 kDa (partial α chain) and 11 kDa (partial β chain) under reducing (R) condition (SDS-PAGE) due to glycosylation.
Proteinlength	Leu254-Gly373
Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>90% as determined by SDS-PAGE.

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Storage

Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. 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 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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