

Recombinant Cynomolgus MUC1 protein, Fc-tagged

Cat. No. MUC1-0498C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Cynomolgus MUC1 protein(Leu254-Gly373), fused with Fc tag, was expressed in HEK293.
Species	Cynomolgus
Source	HEK293
ProteinLength	254-373 a.a.
Form	Lyophilized from 0.22 µm filtered solution in 50 mM Tris, 100 mM Glycine, 25 mM Arginine, 150 mM NaCl, pH7.5. Normally trehalose is added as protectant before lyophilization.
Molecular Mass	This protein carries a human IgG1 Fc tag at the C-terminus. The mature Mucin-1 is a non-covalent heterodimeric complex with the proteolytically cleaved N-terminal fragment and C-terminal fragment. Each N-terminal fragment and C-terminal fragment has a calculated MW of 7.2 kDa and 32.8 kDa. The protein migrates as 48 kDa (precursor protein) and 40-45 kDa (C-terminus) 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 multiple 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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