

## Recombinant Cynomolgus MUC1 protein, Fc-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Cynomolgus MUC1 protein(Leu254-Gly373), fused with Fc tag, was expressed in HEK293.
<b>Species</b>	Cynomolgus
<b>Source</b>	HEK293
<b>ProteinLength</b>	254-373 a.a.
<b>Form</b>	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.
<b>Molecular Mass</b>	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.
<b>Proteinlength</b>	Leu254-Gly373
<b>Endotoxin</b>	Less than 1.0 EU per µg by the LAL method.
<b>Purity</b>	>90% as determined by SDS-PAGE.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



**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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