

## Recombinant Human MUC1 Protein, mFc-tagged

Cat. No. MUC1-261H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human MUC1 Protein(NP_001018016.1)(Met1-Gly167), fused with the Fc region of mouse IgG at the C-terminus, was expressed in HEK293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	Met1-Gly167
<b>Form</b>	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
<b>Molecular Mass</b>	The recombinant human MUC1/mFc is a disulfide-linked homodimer. The reduced monomer consists of 369 amino acids after removal the signal peptide and has a predicted molecular mass of 41 kDa. As a result of glycosylation, rhMUC1/mFc monomer migrates as an approximately 50.2 and 34.8 kDa band in SDS-PAGE under reducing conditions.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method
<b>Purity</b>	> 90 % as determined by SDS-PAGE.
<b>Storage</b>	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein

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be aliquoted for optimal storage. 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.

## GENE INFORMATION

**Gene Name**

MUC1 mucin 1, cell surface associated [ Homo sapiens ]

**Official Symbol**

MUC1

**Synonyms**

MUC1; mucin 1, cell surface associated; mucin 1, transmembrane , PUM; mucin-1; CD227; PEM; episialin; DF3 antigen; H23 antigen; krebs von den Lungen-6; mucin 1, transmembrane; tumor-associated mucin; carcinoma-associated mucin; polymorphic epithelial mucin; peanut-reactive urinary mucin; tumor associated epithelial mucin; breast carcinoma-associated antigen DF3; tumor-associated epithelial membrane antigen; EMA; PUM; KL-6; MAM6; PEMT; H23AG; MUC-1; MUC-1/X; MUC1/ZD; MUC-1/SEC;

**Gene ID**

4582

**mRNA Refseq**

NM\_001018016

**Protein Refseq**

NP\_001018016

**MIM**

158340

**UniProt ID**

P15941

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