

# Recombinant Human MUC1 Protein, Fc-tagged, Alexa Fluor 647 conjugated

**Cat. No.** MUC1-342HAF647    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	A DNA sequence encoding the human MUC1 isoform 2 (NP_001018016.1) extracellular domain (Met1-Gly167) (Alexa Fluor 647 conjugated) was fused with the Fc region of mouse IgG at the C-terminus.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	Met1-Gly167 369
<b>Form</b>	Lyophilized
<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/ µg of the protein as determined by the LAL method.
<b>Purity</b>	(84.9+9.2) % as determined by SDS-PAGE
<b>Characteristic</b>	Disulfide-linked homodimer Labeled with Alexa Fluor 647 via amines

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Excitation = 650 nm

Emission = 668 nm

**Stability**

Samples are stable for up to 12 months from date of receipt at -70 centigrade.

**Storage**

Store it under sterile conditions at -70 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

**Storage Buffer**

Lyophilized from sterile PBS, pH7.4.

**Conjugation**

Alexa Fluor 647

**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](#)

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<b>MIM</b>	158340
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<b>UniProt ID</b>	P15941
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