

# Recombinant Human MUC1 Protein, Alexa Fluor 647 conjugated

Cat. No. MUC1-448HAF647 Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Alexa Fluor 647 conjugated recombinant human MUC1 isoform 2 (NP_001018016.1) extracellular domain (Met 1-Gly 167) was expressed with six amino acids (LEVLFQ) at the C-terminus.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	142
<b>Form</b>	Lyophilized
<b>Molecular Mass</b>	15.4 kDa
<b>N-terminal Sequence Analysis</b>	Ser 33
<b>Endotoxin</b>	< 1.0 EU/ µg of the protein as determined by the LAL method.
<b>Purity</b>	> (9.5+86.8) % as determined by SDS-PAGE
<b>Characteristic</b>	Disulfide-linked homodimer Labeled with Alexa Fluor 647 via amines Excitation = 650 nm

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	Emission = 668 nm
<b>Stability</b>	Samples are stable for up to 12 months from date of receipt at -70 centigrade.
<b>Storage</b>	Store it under sterile conditions at -20 to 70 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
<b>Storage Buffer</b>	Lyophilized from sterile PBS, pH 7.4, 5%-8% trehalose and mannitol.
<b>Reconstitution</b>	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 µg/µL. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.
<b>Conjugation</b>	Alexa Fluor 647

## GENE INFORMATION

<b>Gene Name</b>	MUC1 mucin 1, cell surface associated [ <a href="#">Homo sapiens</a> ]
<b>Official Symbol</b>	MUC1
<b>Synonyms</b>	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;
<b>Gene ID</b>	4582

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mRNA Refseq	NM_001018016
Protein Refseq	NP_001018016
MIM	158340
UniProt ID	P15941

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