

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

Cat. No. MUC1-3952HAF647 **Lot. No.** (See product label)

SPECIFICATION

Product Overview Alexa Fluor 647 conjugated recombinant human MUC1 (NP_001018016.1) isoform 2 extracellular domain (Met 1-Gly 167), fused with the Fc region of human IgG1 at the C-terminus, was produced in Human Cell.

Species Human

Source HEK293

ProteinLength 376

Form Lyophilized

Molecular Mass The recombinant human MUC1/Fc is a disulfide-linked homodimer. The reduced monomer consists of 376 amino acids after removal the signal peptide and has a predicted molecular mass of 42 kDa. As a result of glycosylation, rh MUC1/Fc monomer migrates as an approximately 55-60 kDa band in SDS-PAGE under reducing conditions.

Endotoxin < 1.0 EU/ µg of the protein as determined by the LAL method.

Characteristic Disulfide-linked homodimer
Labeled with Alexa Fluor 647 via amines
Excitation = 650 nm
Emission = 668 nm

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

Stability	Samples are stable for up to 12 months from date of receipt at -70 centigrade.
Storage	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.
Storage Buffer	Lyophilized from sterile PBS, pH 7.4
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.
Conjugation	Alexa Fluor 647

GENE INFORMATION

Gene Name	MUC1 mucin 1, cell surface associated [Homo sapiens]
Official Symbol	MUC1
Gene ID	4582
mRNA Refseq	NM_001018016
Protein Refseq	NP_001018016
MIM	158340
UniProt ID	P15941

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