

# Recombinant Human MUC1 Protein, Fc-tagged, FITC conjugated

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

## SPECIFICATION

**Product Overview**      FITC 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 FITC via amines  
 Excitation source: 488 nm spectral line, argon-ion laser  
 Excitation Wavelength: 488 nm

 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

	Emission Wavelength: 535 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
<b>Reconstitution</b>	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.
<b>Conjugation</b>	FITC

## GENE INFORMATION

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

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