

## Recombinant Human MUC1, Fc tagged

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

### SPECIFICATION

**Product Overview** 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** Met 1-Gly 167

**Form** Lyophilized from sterile PBS, pH 7.4

**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 per µg of the protein as determined by the LAL method

**Purity** > 90 % as determined by SDS-PAGE

**Storage** 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 be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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**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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