

Human CellExp™ Mucin-1/MUC-1, human recombinant

CATALOG #:	8019-20	20 µg
ALTERNATE NAMES:	Mucin-1, MUC1, CD227, EMA, H23AG, KL-6, MAM6, MUC-1/SEC, MUC-1/X, MUC1/ZD, PEM, PEMT, PUM, CA 15-3, Episialin	
SOURCE:	HEK 293 cells (Ser 33 – Gly 167)	
PURITY:	≥ 95% by SDS-PAGE gel	
MOL. WEIGHT:	This protein is fused with a human IgG1 Fc tag at the C-terminus, and has a calculated MW of 51.3 kDa. The predicted N-terminus is Ser 33. DTT-reduced Protein migrates as 45-66 kDa in SDS-PAGE due to glycosylation.	
ENDOTOXIN LEVEL:	< 1.0 EU per µg of the protein by the LAL method.	
FORM:	Lyophilized	

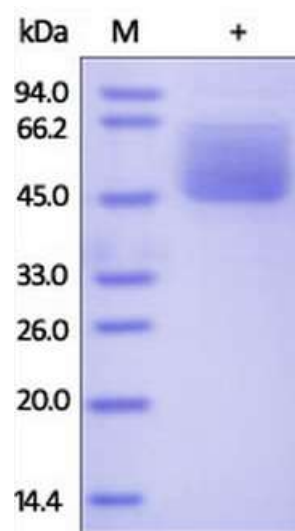
FORMULATION: Lyophilized from 0.22 µm filtered solution in PBS, pH 7.4. Normally Mannitol or Trehalose are added as protectants before lyophilization.

STORAGE CONDITIONS: Store at -20°C. After reconstitution, aliquot and store at -20°C or -70°C for up to 3 months. Avoid repeated freezing and thawing cycles. No activity loss was observed after storage in lyophilized state for 1 year (4°C) and after reconstitution under sterile conditions for 3 months (-70°C).

RECONSTITUTION: Centrifuge the vial prior to opening. Reconstitute in PBS, pH 7.4. Do not vortex.

DESCRIPTION: Mucin-1 (MUC1) is also known as Tumor-associated epithelial membrane antigen (EMA), Polymorphic epithelial mucin (PEM), Peanut-reactive urinary mucin (PUM), PEMT, Krebs von den Lungen-6 (KL-6), CD antigen CD227, Episialin, H23AG. MUC1 is a glycoprotein with extensive O-linked glycosylation of its extracellular domain. Mucins line the apical surface of epithelial cells in the lungs, stomach, intestines, eyes and several other organs. Mucins protect the body from infection by pathogen binding to oligosaccharides in the extracellular domain, preventing the pathogen from reaching the cell surface. Except protective function by binding to pathogens, MUC1 also functions in a cell signaling capacity.

Overexpression of MUC1 is often associated with colon, breast, ovarian, lung and pancreatic cancers.



Human recombinant Mucin-1/MUC-1. The purity of Human Mucin-1, Fc Tag was determined by DTT-reduced (+) SDS-PAGE and staining overnight with Coomassie Blue.

RELATED PRODUCTS:

- Human CellExp™ CD223, human recombinant (Cat. No. 7278-10, -50)
- Human CellExp™ CD71, human recombinant (Cat. No. 7279-10, -50)
- Human CellExp™ CD273, human recombinant (Cat. No. 7369-10, -50)
- Human CellExp™ CD33, human recombinant (Cat. No. 7370-10, -50)
- Human CellExp™ CD36, human recombinant (Cat. No. 7371-10, -50)
- Human CellExp™ CD87, human recombinant (Cat. No. 7372-20, -100)
- Human CellExp™ CD360, human recombinant (Cat. No. 7373-20, -100)
- Human CellExp™ CD244, human recombinant (Cat. No. 7374-10, -50)
- Human CellExp™ CD304, human recombinant (Cat. No. 7375-10)
- Human CellExp™ CD319, human recombinant (Cat. No. 7376-10, -50)
- Human CellExp™ CD306, human recombinant (Cat. No. 7377-10, -50)
- Human CellExp™ CD84, human recombinant (Cat. No. 7378-10, -50)

FOR RESEARCH USE ONLY! Not to be used in humans.