

Human Mucin-1/MUC-1 Protein, Ultra Low Endotoxin

Cat. No. MUC-HM201-UL

Description

Source	Recombinant Human Mucin-1/MUC-1 Protein is expressed from HEK293 with hFc (IgG1) tag at the C-terminus. It contains Ala961-Ser1152.
Accession	P15941-1
Molecular Weight	The protein has a predicted MW of 46.61 kDa. Due to glycosylation, the protein migrates to 40-50 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.01 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage

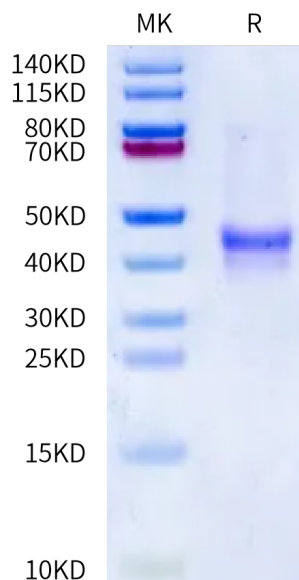
Formulation	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Mucin 1 (MUC1) is a transmembrane protein mainly expressed by epithelial and hematopoietic cells. It has a receptor-like structure, which can sense the external environment and activate intracellular signal transduction pathways through its cytoplasmic domain.

Assay Data

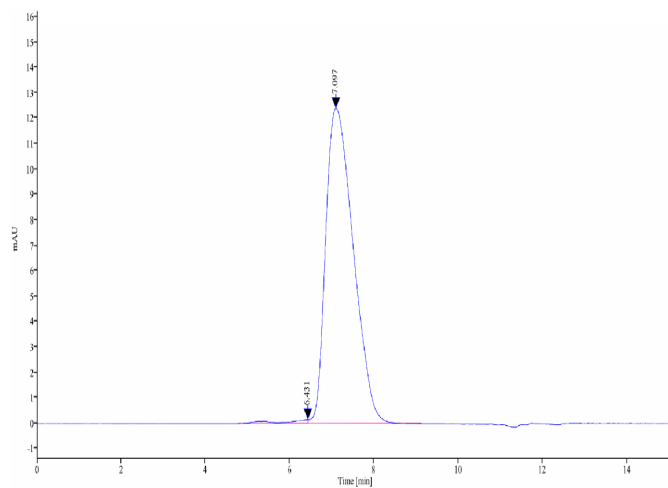
Bis-Tris PAGE



Human Mucin-1 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

Assay Data



The purity of Human Mucin-1 is greater than 95% as determined by SEC-HPLC.