

Human Mucin-1/MUC-1 Protein

Cat. No. MUC-HM101

Description

Source	Recombinant Human Mucin-1/MUC-1 Protein is expressed from HEK293 with hFc 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 0.1 EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage

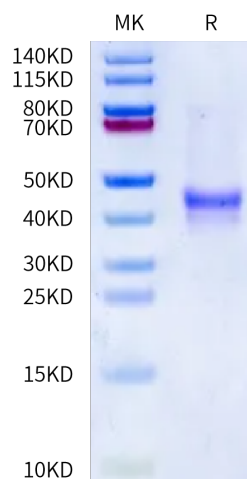
Formulation	Supplied as 0.22 μm filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C . Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

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.

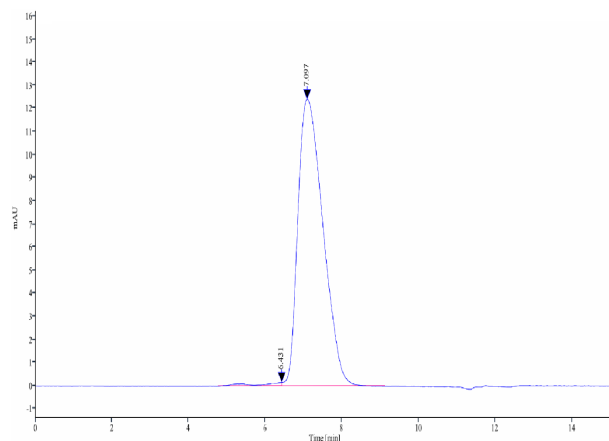
Assay Data

Bis-Tris PAGE



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

SEC-HPLC



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