

# Human Mucin-13 Protein, His Tag, low endotoxin (MALS verified)

Catalog # MU3-H52H3



BIOSYSTEMS  
**Acro**

## Synonym

Mucin-13, MUC13

## Source

Human Mucin-13 Protein, His Tag (MU3-H52H3) is expressed from human 293 cells (HEK293). It contains AA Thr 19 - Leu 421 (Accession # [Q9H3R2](#)).

Predicted N-terminus: Thr 19

## Molecular Characterization

Mucin-13(Thr 19 - Leu 421) Q9H3R2	Poly-his
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This protein carries a polyhistidine tag at the C-terminus. The protein has a calculated MW of 44.5 kDa. The protein migrates as 65-90 kDa when calibrated against [Star Ribbon Pre-stained Protein Marker](#) under reducing (R) condition (SDS-PAGE) due to glycosylation.

## Endotoxin

Less than 0.01 EU per µg by the LAL method / rFC method.

## Purity

>90% as determined by SDS-PAGE.

## Formulation

Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.

Contact us for customized product form or formulation.

## Reconstitution

Please see Certificate of Analysis for specific instructions.

**For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.**

## Storage

For long term storage, the product should be stored at lyophilized state at -20°C or lower.

**Please avoid repeated freeze-thaw cycles.**

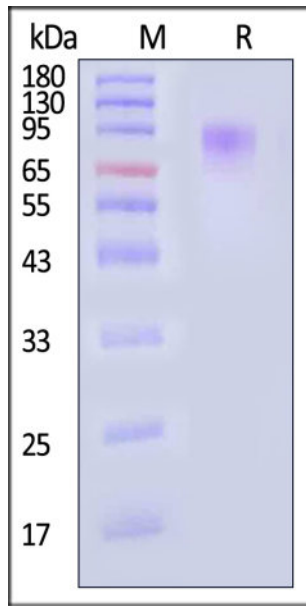
This product is stable after storage at:

- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

## ACRO Quality Management System

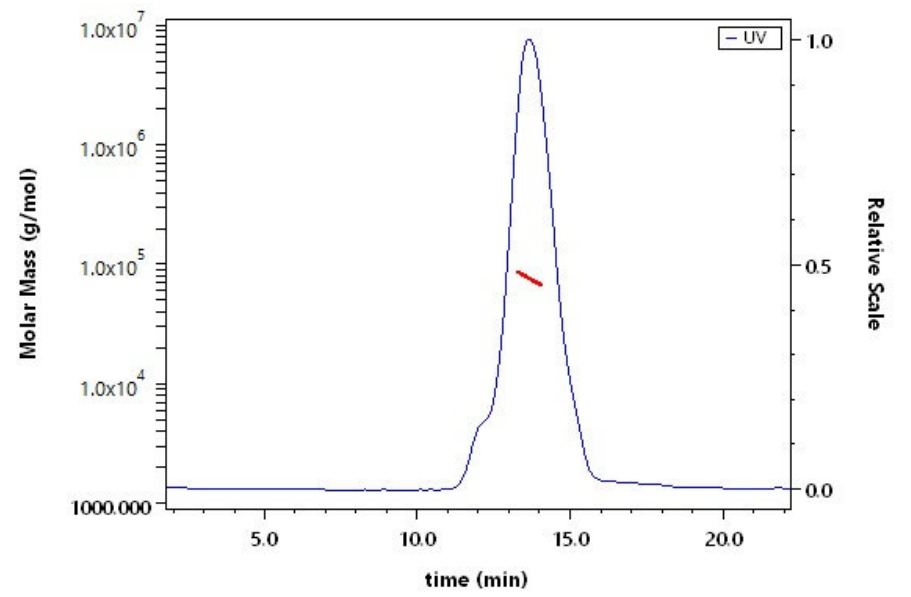
- [QMS\(ISO, GMP\)](#)
- [Quality Advantages](#)
- [Quality Control Process](#)

## SDS-PAGE



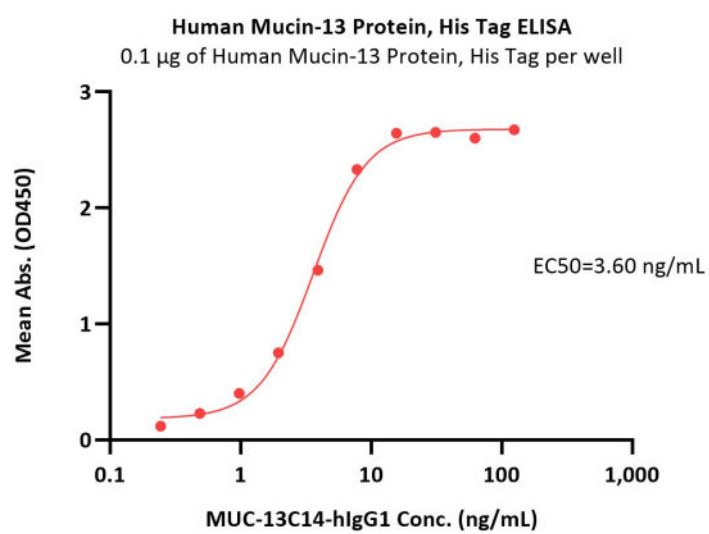
Human Mucin-13 Protein, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90% (With [Star Ribbon Pre-stained Protein Marker](#)).

## SEC-MALS



The purity of Human Mucin-13 Protein, His Tag (Cat. No. MU3-H52H3) is more than 85% and the molecular weight of this protein is around 60-85 kDa verified by SEC-MALS.

## Bioactivity-ELISA



Immobilized Human Mucin-13 Protein, His Tag (Cat. No. MU3-H52H3) at 1 µg/mL (100 µL/well) can bind MUC-13C14-hIgG1 with a linear range of 0.2-8 ng/mL (Routinely tested).

## Background

Epithelial mucins, such as MUC13, are a family of secreted and cell surface glycoproteins expressed by ductal and glandular epithelial tissues (Williams et al., 2001 [PubMed 11278439]).[supplied by OMIM, Jul 2008]

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