



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

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 1.0 EU per μ g by the LAL method / rFC method.

Purity

>90% as determined by SDS-PAGE.

Formulation

Lyophilized from 0.22 μ m 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

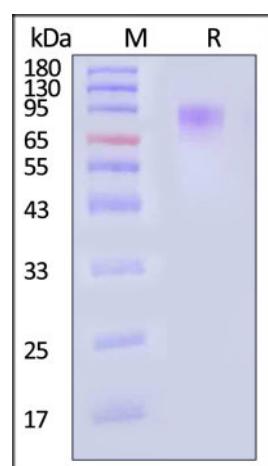
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

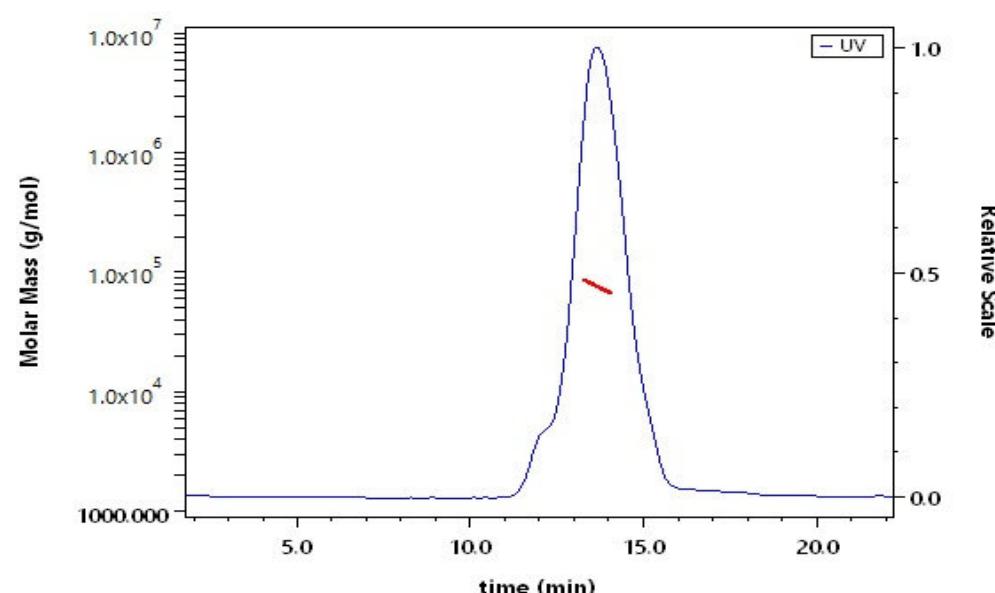
- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

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 75-95 kDa verified by SEC-MALS.

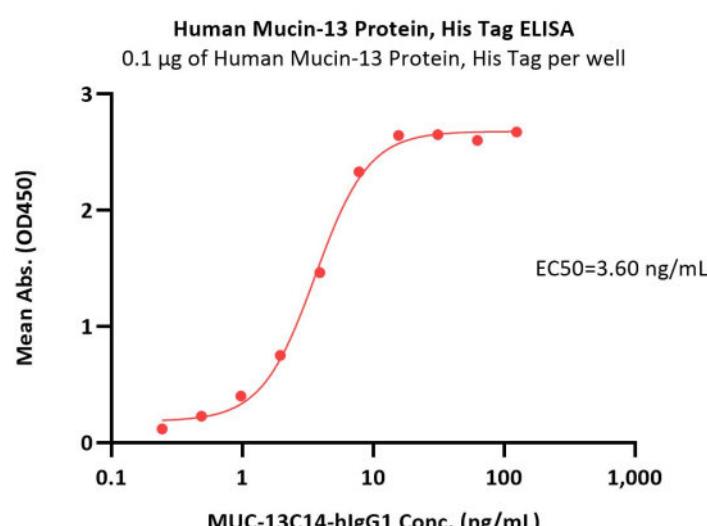
[Report](#)

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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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