

# Human CEACAM-5 / CD66e (145-322) Protein, His Tag (MALS verified)

Catalog # CE5-H52H3



BIOSYSTEMS  
**Acro**

## Synonym

CEACAM-5, CD66e, CEA, Meconium antigen 100

## Source

Human CEACAM-5 (145-322) Protein, His Tag (CE5-H52H3) is expressed from human 293 cells (HEK293). It contains AA Pro 145 - Pro 322 (Accession # [P06731-1](#)).

Predicted N-terminus: Pro 145

## Molecular Characterization

CEACAM-5(Pro 145 - Pro 322)  
P06731-1

Poly-his

### [Other Tags and Version Biotin & Other Labeled Version](#)

This protein carries a polyhistidine tag at the C-terminus.

The protein has a calculated MW of 21.5 kDa. The protein migrates as 33-53 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 µg by the LAL method / rFC method.

## Purity

>90% as determined by SDS-PAGE.

>90% as determined by SEC-MALS.

## 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.**

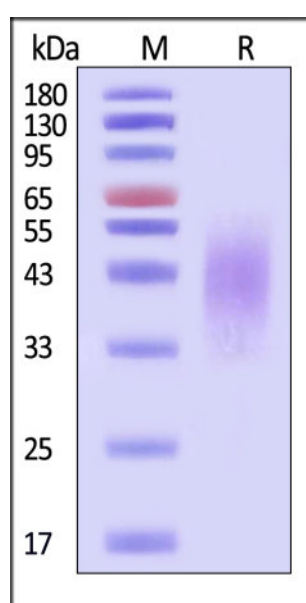
This product is stable after storage at:

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

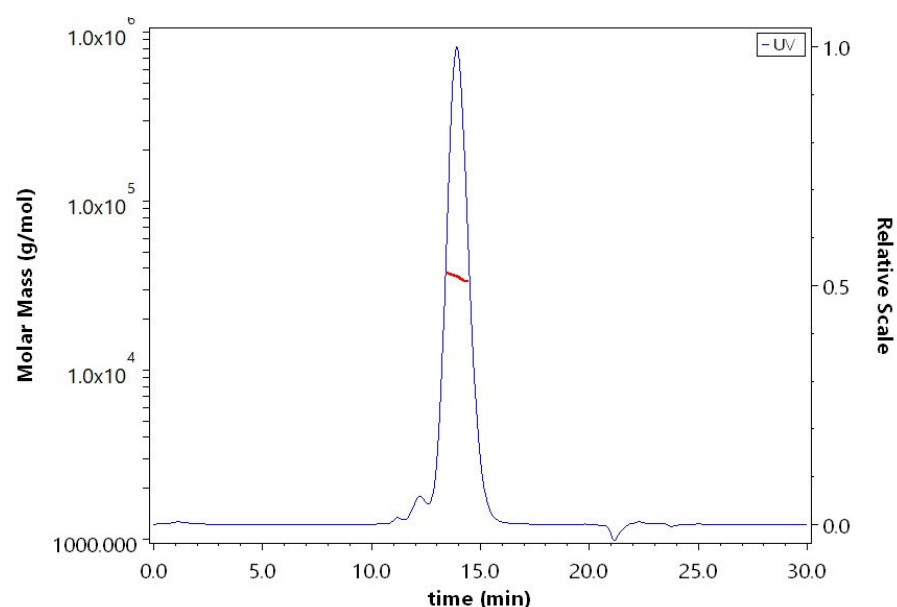
## ACRO Quality Management System

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

## SDS-PAGE



## SEC-MALS



Human CEACAM-5 (145-322) 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](#)).

The purity of Human CEACAM-5 (145-322) Protein, His Tag (Cat. No. CE5-H52H3) is more than 90% and the molecular weight of this protein is around 25-40 kDa verified by SEC-MALS.

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## Background

Carcinoembryonic antigen-related cell adhesion molecule 5 (CEACAM5) is also Carcinoembryonic antigen (CEA), Meconium antigen 100, CD antigen CD66e, CEACAM5 belongs to the immunoglobulin superfamily and CEA family. CEACAM5 contains seven Ig-like (immunoglobulin-like) domains. CEACAM5 is homodimer protein which binding of E.coli Dr adhesins leads to dissociation of the homodimer. CEACAM5 is cell surface glycoprotein that plays a role in cell adhesion and in intracellular signaling.

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