

Human CEACAM-5 / CD66e (323-500) Protein, His Tag (MALS verified)

Catalog # CE5-H52H4



BIOSYSTEMS
Acro

Surprise Inside!

Synonym

CEACAM-5, CD66e, CEA, Meconium antigen 100

Source

Human CEACAM-5 (323-500) Protein, His Tag (CE5-H52H4) is expressed from human 293 cells (HEK293). It contains AA Pro 323 - Leu 500 (Accession # [P06731-1](#)).

Predicted N-terminus: Pro 323

Molecular Characterization

CEACAM-5(Pro 323 - Leu 500) P06731-1	Poly-his
---	----------

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

The protein has a calculated MW of 21.5 kDa. The protein migrates as 28-43 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.

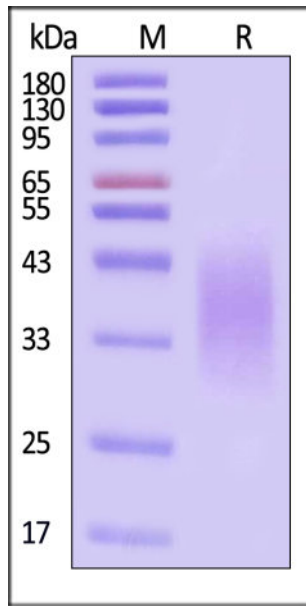
This product is stable after storage at:

- -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

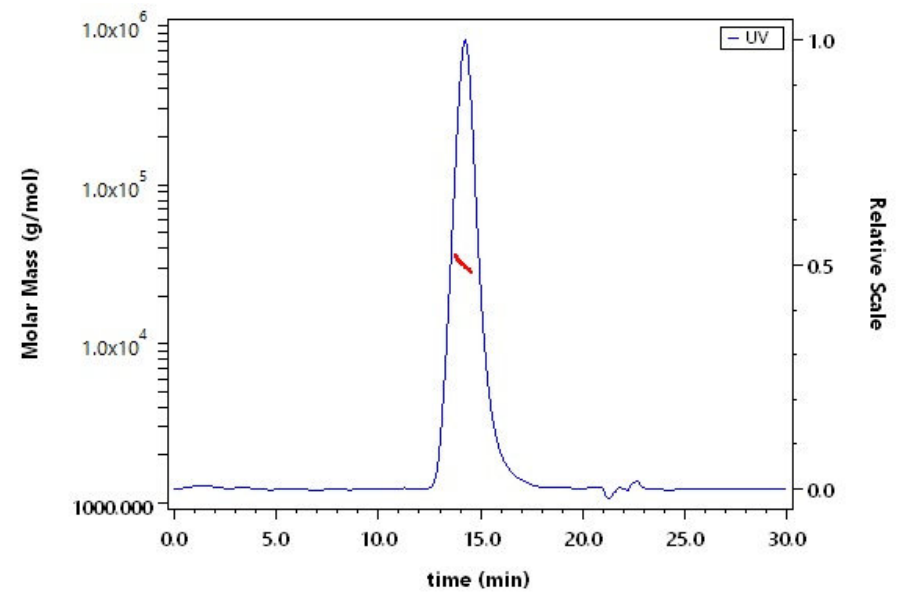
- [QMS\(ISO, GMP\)](#)
- [Quality Advantages](#)
- [Quality Control Process](#)

SDS-PAGE



Human CEACAM-5 (323-500) 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 CEACAM-5 (323-500) Protein, His Tag (Cat. No. CE5-H52H4) is more than 90% and the molecular weight of this protein is around 25-37 kDa verified by SEC-MALS.

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.

Discounts, Gifts,
and more!



www.acrobiosystems.com

