

**Synonym**

CEACAM-5,CD66e,CEA,Meconium antigen 100

Source

Rhesus macaque CEACAM-5 Protein, His Tag(CE5-R52H3) is expressed from human 293 cells (HEK293). It contains AA Gln 35 - Gly 685 (Accession # [A0A345AMC6-1](#)).

Predicted N-terminus: Gln 35

Molecular Characterization

CEACAM-5(Gln 35 - Gly 685)	Poly-his
A0A345AMC6-1	

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

The protein has a calculated MW of 73.7 kDa. The protein migrates as 110-180 kDa when calibrated against [Star Ribbon Pre-stained Protein Marker](#) under reducing (R) condition (SDS-PAGE) due to glycosylation.

EndotoxinLess than 1.0 EU per μ g by the LAL method / rFC method.**Purity**

>95% as determined by SDS-PAGE.

>90% as determined by SEC-MALS.

FormulationLyophilized 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.

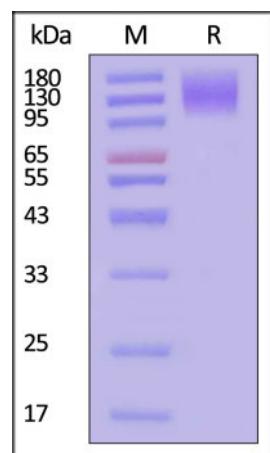
Storage

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

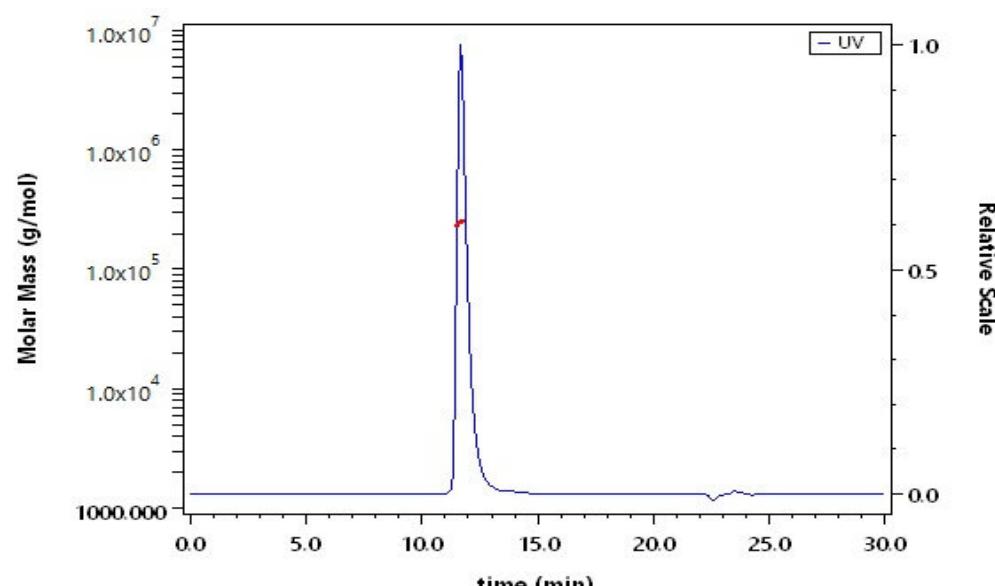
Please avoid repeated freeze-thaw cycles.

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

Rhesus macaque CEACAM-5 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 95% (With [Star Ribbon Pre-stained Protein Marker](#)).

SEC-MALS

The purity of Rhesus macaque CEACAM-5 Protein, His Tag (Cat. No. CE5-R52H3) is more than 90% and the molecular weight of this protein is around 225-260 kDa verified by SEC-MALS.

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**Background**

This gene encodes a cell surface glycoprotein that represents the founding member of the carcinoembryonic antigen (CEA) family of proteins. The encoded protein is used as a clinical biomarker for gastrointestinal cancers and may promote tumor development through its role as a cell adhesion molecule. Additionally, the encoded protein may regulate differentiation, apoptosis, and cell polarity. This gene is present in a CEA family gene cluster on chromosome 19. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2015]

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