



## Synonym

CUB domain-containing protein 1, CDCP1, CD318, Membrane glycoprotein gp140, Subtractive immunization M plus HEp3-associated 135 kDa protein, SIMA135, Transmembrane and associated with src kinases, TRASK, UNQ2486, PRO5773

## Source

Rhesus macaque CDCP1 Protein, His Tag(CD1-R52H3) is expressed from human 293 cells (HEK293). It contains AA Ala 29 - Thr 667 (Accession # [XP\\_001114659.2](#)).

Predicted N-terminus: Ala 29

## Molecular Characterization

CDCP1(Ala 29 - Thr 667)	Poly-his
XP_001114659.2	

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

The protein has a calculated MW of 74 kDa. The protein migrates as 95-120 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  $\mu$ g by the LAL method / rFC method.

## Purity

>90% as determined by SDS-PAGE.

>95% as determined by SEC-MALS.

## Formulation

Lyophilized from 0.22  $\mu$ 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

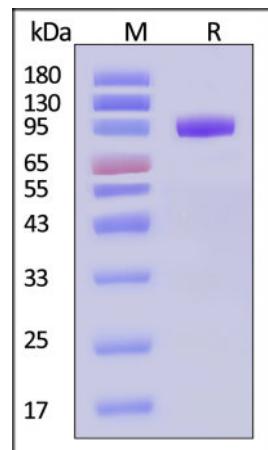
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

*Please avoid repeated freeze-thaw cycles.*

This product is stable after storage at:

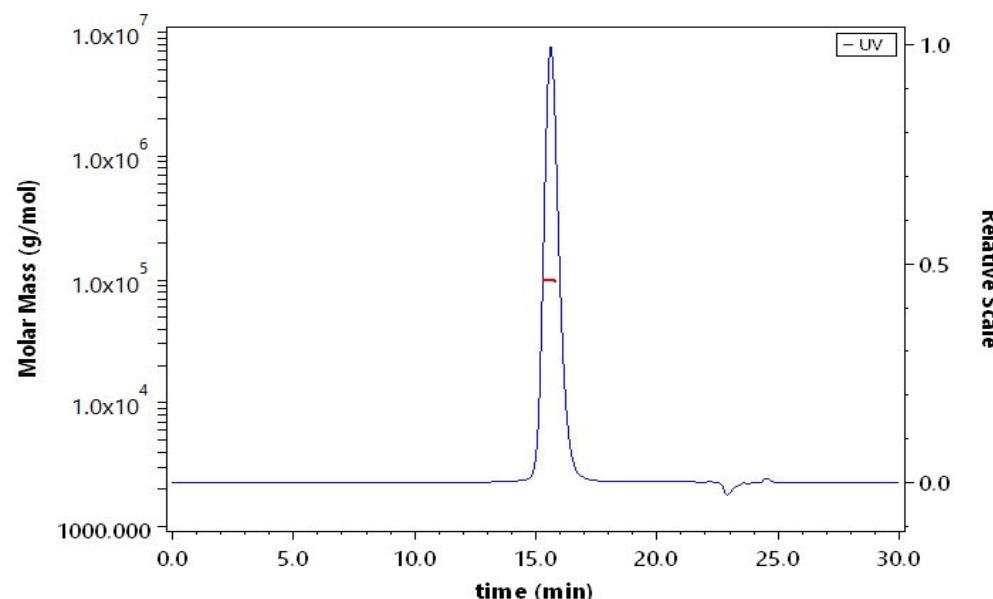
- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

## SDS-PAGE



Rhesus macaque CDCP1 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 Rhesus macaque CDCP1 Protein, His Tag (Cat. No. CD1-R52H3) is more than 95% and the molecular weight of this protein is around 80-115 kDa verified by SEC-MALS.

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## Background

CUB domain-containing protein 1, also known as CDCP1. CDCP1 is a cell surface glycoprotein that has been recognized both as a tumour marker and as a potential target to disrupt progression of cancer. CDCP1 has been shown to modulate cellsubstratum adhesion and motility in colon cancer cell lines.

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