# Cynomolgus CDCP1 Protein, Ultra Low Endotoxin

**Cat. No.** CDC-CM102-UL

## Description

| | |
|---|---|
| **Source** | Recombinant Cynomolgus CDCP1 Protein is expressed from HEK293 with His tag at the C-terminus. |
| | It contains Phe30-Thr667. |
| **Accession** | XP_005546930.2 |
| **Molecular Weight** | The protein has a predicted MW of 73.15 kDa. Due to glycosylation, the protein migrates to 90-110 kDa based on Bis-Tris PAGE result. |
| **Endotoxin** | Less than 0.01 EU per μg by the LAL method. |
| **Purity** | > 95% as determined by Bis-Tris PAGE |
| | > 95% as determined by HPLC |

## Formulation and Storage

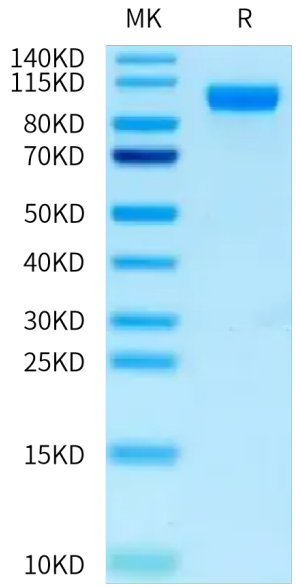
| | |
|---|---|
| **Formulation** | Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization. |
| **Reconstitution** | Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions. |
| **Storage** | -20 to -80°C for 12 months as supplied from date of receipt.-80°C for 3 months after reconstitution.Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles. |

## Background

Tumor metastasis depends on the dynamic regulation of cell adhesion through β1-integrin. The Cub-Domain Containing Protein-1, CDCP1, is a transmembrane glycoprotein which regulates cell adhesion. Overexpression and loss of CDCP1 have been observed in the same cancer types to promote metastatic progression.

## Assay Data

**Bis-Tris PAGE**



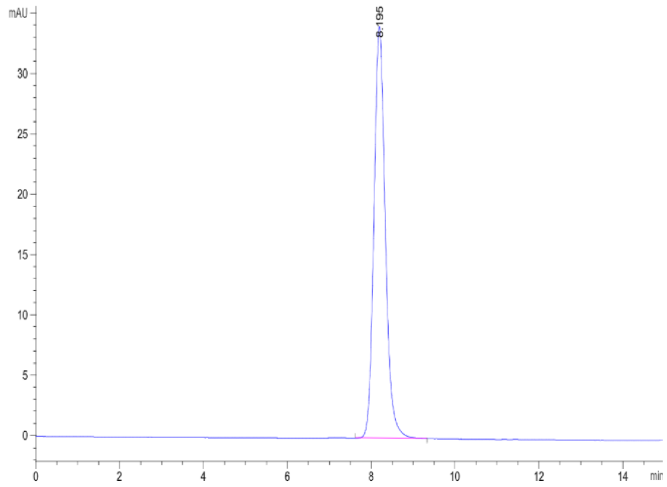

Cynomolgus CDCP1 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

**SEC-HPLC**

# Cynomolgus CDCP1 Protein, Ultra Low Endotoxin

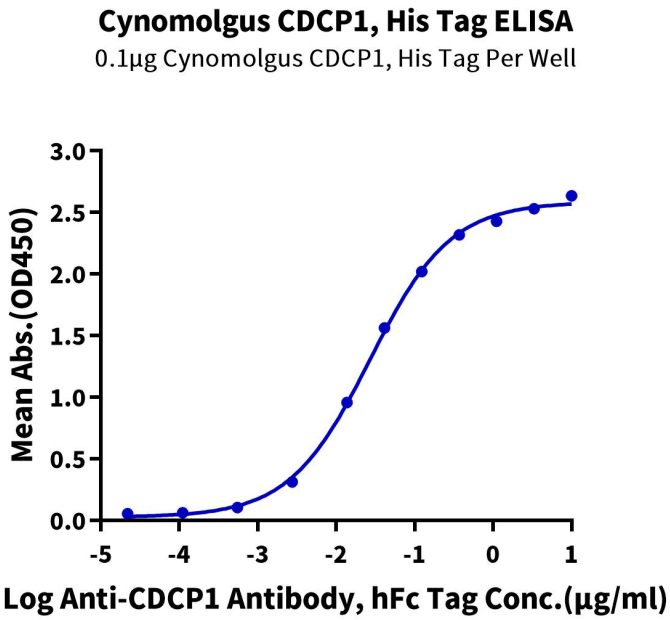
Cat. No. CDC-CM102-UL

## Assay Data



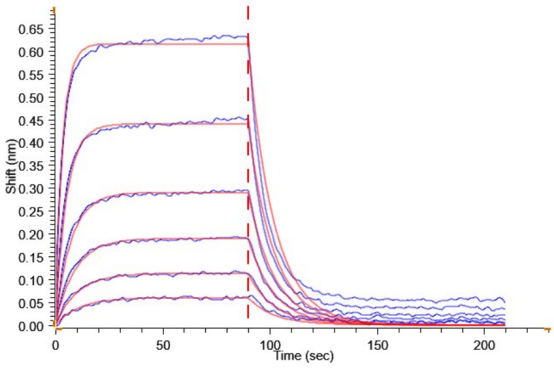

The purity of Cynomolgus CDCP1 is greater than 95% as determined by SEC-HPLC.

### ELISA Data




Immobilized Cynomolgus CDCP1, His Tag at 1μg/ml (100μl/well) on the plate. Dose response curve for Anti-CDCP1 Antibody, hFc Tag with the EC50 of 27.0ng/ml determined by ELISA.

### BLI Data




Loaded Anti-CDCP1 Antibody, hFc-Avi Tag on ProA-Biosensor can bind Cynomolgus CDCP1, His Tag with an affinity constant of 0.31 μM as determined in BLI assay .