

# Biotinylated Human CDCP1 Protein

Cat. No. CDC-HM401B

## Description

<b>Source</b>	Recombinant Biotinylated Human CDCP1 Protein is expressed from Expi293 with His tag and Avi tag at the C-terminal. It contains Phe30-Leu666.
<b>Accession</b>	Q9H5V8-1
<b>Molecular Weight</b>	The protein has a predicted MW of 74.6 kDa. Due to glycosylation, the protein migrates to 85-100 kDa based on Tris-Bis PAGE result.
<b>Endotoxin</b>	Less than 1EU per $\mu\text{g}$ by the LAL method.
<b>Purity</b>	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

## Formulation and Storage

<b>Formulation</b>	Lyophilized from 0.22 $\mu\text{m}$ filtered solution in PBS (pH 7.4). Normally 5% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Centrifuge tubes before opening. Reconstituting to a concentration more than 100 $\mu\text{g}/\text{ml}$ is recommended (usually we use 1mg/ml solution for lyophilization). Dissolve the lyophilized protein in distilled water.
<b>Storage</b>	-20 to -80°C for 12 months as supplied from date of receipt. -20 to -80°C for 3-6 months in unopened state after reconstitution. 2-8°C for 2-7 days after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please avoid freeze-thaw cycles.

## Background

Tumor metastasis depends on the dynamic regulation of cell adhesion through  $\beta$ 1-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

### Tris-Bis PAGE



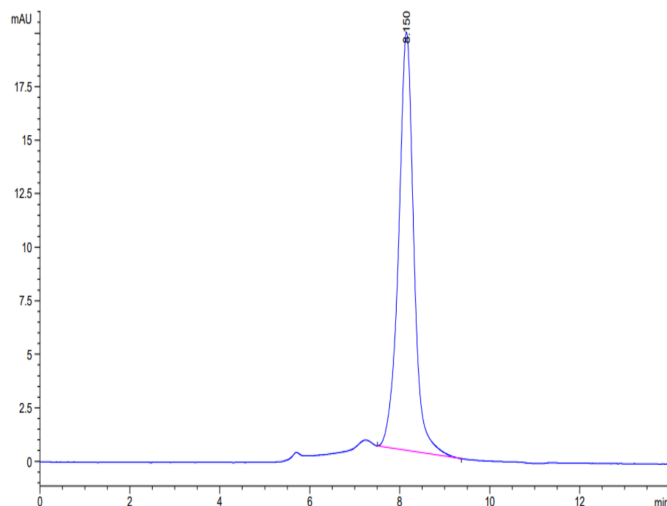
Biotinylated Human CDCP1 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

### SEC-HPLC

# Biotinylated Human CDCP1 Protein

Cat. No. CDC-HM401B

## Assay Data

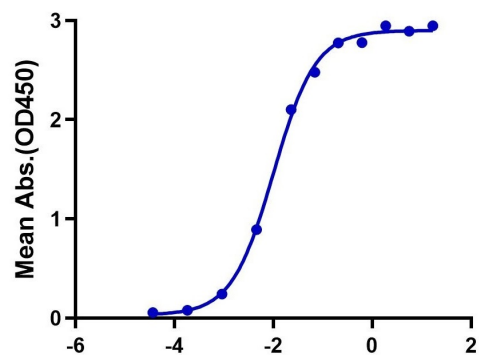


The purity of Biotinylated Human CDCP1 is greater than 95% as determined by SEC-HPLC.

## ELISA Data

### Biotinylated Human CDCP1, His Tag ELISA

0.2 $\mu$ g Biotinylated Human CDCP1, His Tag Per Well



Log Anti-CDCP1 Antibody, hFc Tag Conc.( $\mu$ g/ml)

Immobilized Biotinylated Human CDCP1, His Tag at 2 $\mu$ g/ml (100 $\mu$ l/Well) on the plate. Dose response curve for Anti-CDCP1 Antibody, hFc Tag with the EC50 of 10.1ng/ml determined by ELISA.