

# Mouse CDCP1 Protein, Ultra Low Endotoxin

Cat. No. CDC-MM101-UL

## Description

<b>Source</b>	Recombinant Mouse CDCP1 Protein is expressed from HEK293 with His tag at the C-terminus. It contains Ser30-Ala667.
<b>Accession</b>	Q5U462
<b>Molecular Weight</b>	The protein has a predicted MW of 73.6 kDa. Due to glycosylation, the protein migrates to 80-120 kDa based on Bis-Tris PAGE result.
<b>Endotoxin</b>	Less than 0.01 EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE > 90% as determined by HPLC

## Formulation and Storage

<b>Formulation</b>	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
<b>Storage</b>	-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  $\beta$ 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

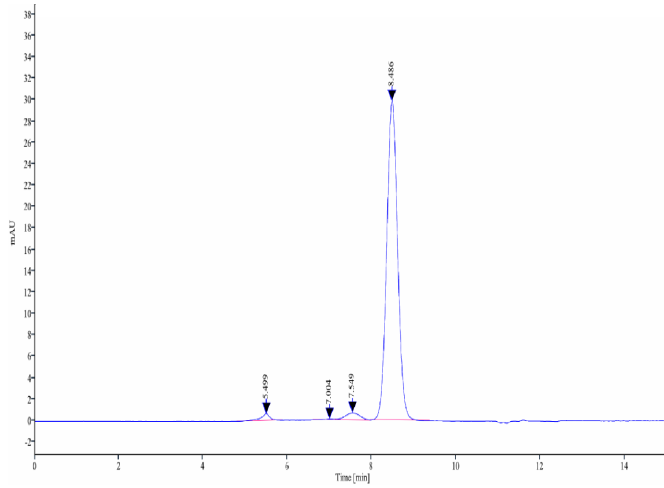
### Bis-Tris PAGE



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

### SEC-HPLC

Assay Data



The purity of Mouse CDCP1 is greater than 90% as determined by SEC-HPLC.