

Human CDCP1 (30-368) Protein

Cat. No. CDC-HM10D

Description

Source	Recombinant Human CDCP1 (30-368) Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Phe30-Arg368.
Accession	Q9H5V8-1
Molecular Weight	The protein has a predicted MW of 39.03 kDa. Due to glycosylation, the protein migrates to 60-70 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

Formulation and Storage

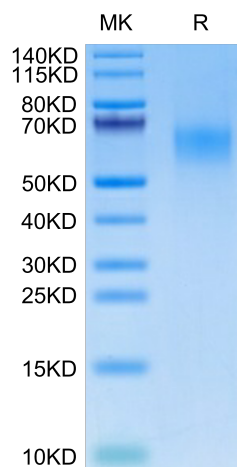
Formulation	Lyophilized from 0.22 μm filtered solution in 20mM PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 $\mu\text{g}/\text{ml}$ is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-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 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

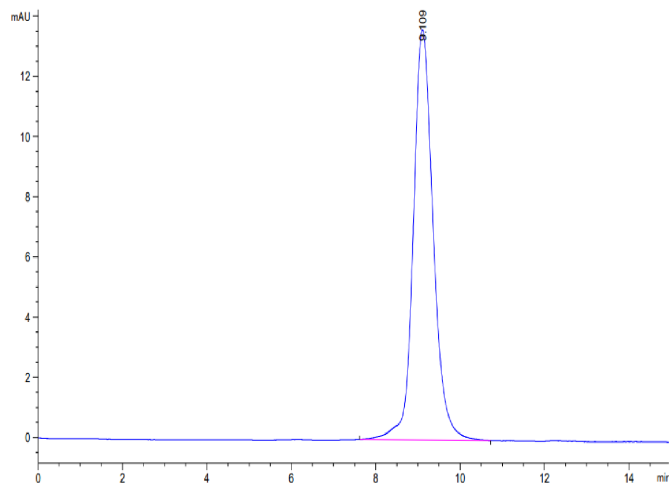
Tris-Bis PAGE



Human CDCP1 (30-368) on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

Assay Data

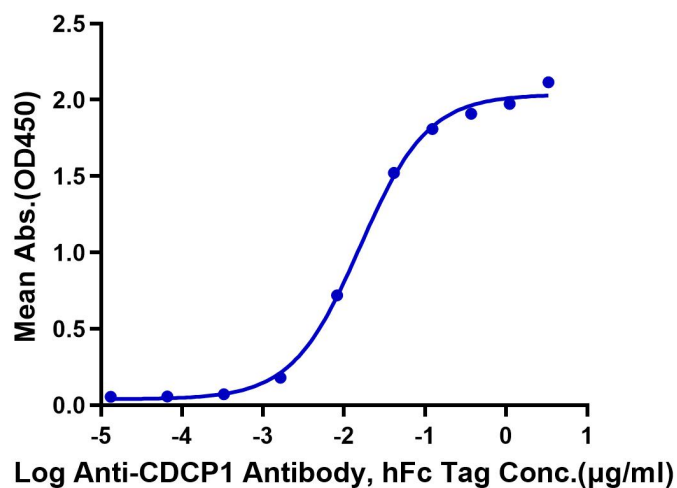


The purity of Human CDCP1 (30-368) is greater than 95% as determined by SEC-HPLC.

ELISA Data

Human CDCP1(30-368), His Tag ELISA

0.1µg Human CDCP1(30-368), His Tag Per Well



Immobilized Human CDCP1 (30-368) , His Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Anti-CDCP1 Antibody, hFc Tag with the EC50 of 14.1ng/ml determined by ELISA.