

Datasheet for ABIN7274297

CDCP1 Protein (AA 25-667) (His-Avi Tag,Biotin)**3** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	CDCP1
Protein Characteristics:	AA 25-667
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CDCP1 protein is labelled with His-Avi Tag,Biotin.

Product Details

Purpose:	Biotinylated Mouse CDCP1 Protein
Sequence:	Arg25-Ala667
Characteristics:	Recombinant Biotinylated Mouse CDCP1 Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus.It contains Arg25-Ala667.
Purity:	> 95 % as determined by Tris-Bis PAGE,> 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	The affinity constant of 0.74 µM as determined in SPR assay (Biacore T200). See testing image for detail.

Target Details

Target:	CDCP1
Alternative Name:	CDCP1 (CDCP1 Products)
Background:	Tumor metastasis depends on the dynamic regulation of cell adhesion through β 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.
Molecular Weight:	75.3 kDa. Due to glycosylation, the protein migrates to 80-100 kDa based on Tris-Bis PAGE result.
UniProt:	Q5U462

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μ g/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22 μ m filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months 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.
Expiry Date:	12 months

Surface Plasmon Resonance

Image 1. Anti-CDCP1 Antibody, hFc Tag captured on CM5 Chip via Protein A can bind Biotinylated Mouse CDCP-1, His-Avi Tag with an affinity constant of 0.74 μ M as determined in SPR assay (Biacore T200).

SDS-PAGE

Image 2. Biotinylated Mouse CDCP1 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 3. The purity of Biotinylated Mouse CDCP1 is greater than 95 % as determined by SEC-HPLC.

