

Biotinylated Recombinant Mouse CDCP1/gp140/CD318 Protein

Catalog No.: RP01480B **Recombinant**

Sequence Information

Species **Gene ID** **Swiss Prot**
 Mouse 109332 Q5U462

Tags

C-His&Avi

Synonyms

CDCP1; CD318; SIMA135; TRASK;
 UNQ2486; PRO5773

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.

Basic Information

Description

Biotinylated Recombinant Mouse CDCP1/gp140/CD318 Protein is produced by Expi293 expression system. The target protein is expressed with sequence (Arg25-Ala667) of Mouse CDCP1 fused with a His and Avi tag at the C-terminal.

Bio-Activity

Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80°C up to 1 year from the date of receipt.

After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

Product Information

Source **Purification**
 HEK293 cells $\geq 95\%$ as
 determined by Tris-
 Bis PAGE; $\geq 95\%$ as
 determined by
 HPLC.

Calculated MW **Observed MW**
 75.3 kDa 80-100 kDa

Endotoxin

< 1 EU/ μ g of the protein by LAL method.

Formulation

Lyophilized from a 0.22 μ m filtered solution of PBS, pH 7.4.

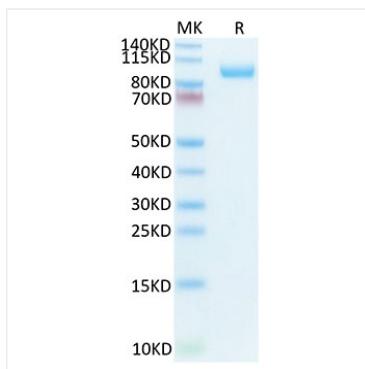
Reconstitution

Centrifuge the tube before opening.
 Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.
 Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

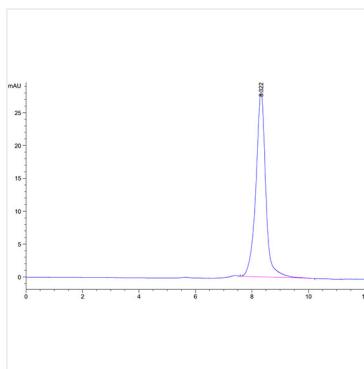
Contact

	400-999-6126
	cn.market@abclonal.com.cn
	www.abclonal.com.cn

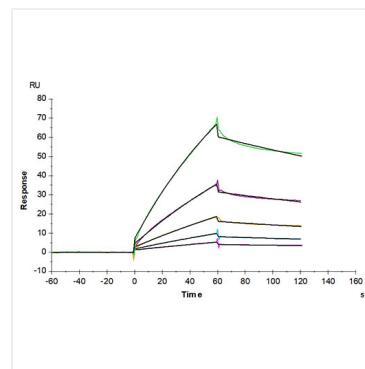
Validation Data



Biotinylated Recombinant Mouse CDCP1/gp140/CD318 Protein was determined by Tris-Bis PAGE under reducing conditions.



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



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 $0.74 \mu\text{M}$ as determined in SPR assay (Biacore T200).