

Biotinylated Recombinant Mouse CDCP1/gp140 /CD318 Protein

Catalog No.: RP01480B

Sequence Information

Species	Gene ID
Mouse	109332
Swiss Prot	Tags
Q5U462	C-His&Avi

Synonyms

CDCP1; CD318; SIMA135; TRASK; UNQ2486; PRO5773

Product Information

Source	Purification
HEK293 cells	≥ 95 % as determined by Tris-Bis PAGE; ≥ 95 % as determined by HPLC.

Calculated MW Observed MW

75.3 kDa 80-100 kDa

Endotoxin

< 1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.22 μm 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.

Background

Tumor metastasis depends on the dynamic regulation of cell adhesion through β1-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.

Activity

Shipping

Lyophilized proteins are shipped at ambient temperature. Liquid proteins are shipped at frozen temperature with dry ice. Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C

Operational Notes

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

Contact

☎ | 400-999-6126

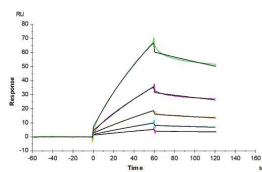
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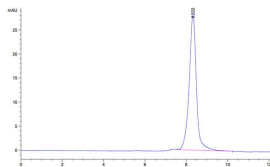
Validation Data



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



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).



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