

Datasheet for ABIN7519907
CDCP1 Protein (His tag,AVI tag)



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Overview

Quantity:	100 µg
Target:	CDCP1
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CDCP1 protein is labelled with His tag,AVI tag.

Product Details

Purpose:	Recombinant Mouse CD318 Protein
Sequence:	RGTEASEIAL PQRSGVTVSI KLGNPALPVK ICYIVMSRQH ITELIIRPGE RKSFTFSCSN PEKHFVLKIE KNIDCMMSGPC PFGEVHLQPS TSELPILNRT FIWDVRAHKS IGLELQFATP RLRQIGPGES CADGVTHSIS GHIDATEVRI GTFCSNGTVS RIKMQEGVKM ALHLPWFHRR NVSGFSIANR SSIKRLCIE SVFEGEGSAT LMSANYPGGF PEDELMTWQF VVPAHLRASV SFLNFNVSNC ERKEERVEYY IPGSTTNPEV FRLEDKQPGN MAGNFNLSLQ GCDQDAQSPG ILRLQFQVLV QRPQDESNKT YMVDSLRETR MSLTIEPRPV KHGRRFVPGC FVCLESRTCS TNVTLTAGSI HKISFLCDDL TRLWVNVEKT LSCLDHRYCY RQSFKLQVPD YILQLPVQLH DFSWKLLVPK DKLSLMLVPG QKLQQTQER PCNTSFGYHV TSTTPGQDLY FGSFCSSGSI EKIQVKQNSS VTLRAYAPSF QQEVSKQGLI VSYTPYFKEE GIFTVTPDTK NKVYLRSPNW DRGLPALSSV SWNISVPSNQ VACLTVLKER SGLACQSGRA FMIIQEQSR AEEIFSLEEE VLPKPSFHHH SFWVNISNCS PMNGKQLDLL FWVTLPRTV DLA
Specificity:	Arg25-Ala667
Purity:	> 95 % by SDS-PAGE.

Product Details

Sterility: 0.22 µm filtered

Endotoxin Level: <0.1EU/µg

Target Details

Target: CDCP1

Alternative Name: CD318 ([CDCP1 Products](#))

Background: Description: CDCP1 contains three extracellular CUB domains. It is a putative stem cell marker that is highly expressed in some human cancer cells and both, typical and atypical (cancerous) colons. It interacts with CDH2/N-cadherin, CDH3/P-cadherin, SDC1/syndecan-1, SDC4/syndecan-4 and the serine protease ST14/MT-SP1. It also interacts with SRC and PRKCG/protein kinase C gamma. CDCP1 is taken as a key regulator of EGF/EGFR-induced cell migration. It has been shown that signaling via EGF/EGFR induces migration of ovarian cancer Caov3 and OVCA420 cells with concomitant up-regulation of CDCP1 mRNA and protein. Consistent with a role in cell migration CDCP1 relocates from cell-cell junctions to punctate structures on filopodia after activation of EGFR. It may be involved in cell adhesion and cell matrix association. It also may play a role in the regulation of anchorage versus migration or proliferation versus differentiation via its phosphorylation. It has been taken as a novel marker for leukemia diagnosis and immature hematopoietic stem cell subsets.

Name: CDCP1,CD318,SIMA135,TRASK,UNQ2486,PRO5773,CDCP1

Gene ID: 109332

UniProt: [Q5U462](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Centrifuge the vial 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.

Buffer: Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.

Handling

Storage: -20 °C, -80 °C

Storage Comment: Store the lyophilized protein at -20°C to -80°C for long term. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.