

CDCP1 Protein, Human (313a.a, HEK293, His)

Cat. No.:	HY-P70109
Synonyms:	rHuCUB domain-containing protein 1/CDCP1, His; CUB domain-containing protein 1; Membrane glycoprotein gp140; Subtractive immunization M plus HEp3-associated 135 kDa protein; SIMA135; Transmembrane and associated with src kinases; CD318; TRASK
Species:	Human
Source:	HEK293
Accession:	Q9H5V8-3 (F30-S342)
Gene ID:	64866
Molecular Weight:	Approximately 55.0 kDa

PROPERTIES

AA Sequence	<pre> F E I A L P R E S N I T V L I K L G T P T L L A K P C Y I V I S K R H I T M L S I K S G E R I V F T F S C Q S P E N H F V I E I Q K N I D C M S G P C P F G E V Q L Q P S T S L L P T L N R T F I W D V K A H K S I G L E L Q F S I P R L R Q I G P G E S C P D G V T H S I S G R I D A T V V R I G T F C S N G T V S R I K M Q E G V K M A L H L P W F H P R N V S G F S I A N R S S I K R L C I I E S V F E G E G S A T L M S A N Y P E G F P E D E L M T W Q F V V P A H L R A S V S F L N F N L S N C E R K E E R V E Y Y I P G S T T N P E V F K L E D K Q P G N M A G N F N L S L Q G C D Q D A Q S P G I L R L Q F Q V L V Q H P Q N E S </pre>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	CDCP1 protein is potentially involved in cell adhesion and the association with the extracellular matrix. Its phosphorylation may play a role in regulating the balance between anchorage and migration, as well as proliferation and differentiation. Additionally, CDCP1 has shown promise as a novel marker for leukemia diagnosis and for identifying immature hematopoietic stem cell subsets. It belongs to the tetraspanin web, which is implicated in tumor progression and
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metastasis. CDCP1 interacts with several proteins including CDH2/N-cadherin, CDH3/P-cadherin, SDC1/syndecan-1, SDC4/syndecan-4, the serine protease ST14/MT-SP1, as well as SRC and PRKCG/protein kinase C gamma, suggesting its involvement in various cellular processes and signaling pathways.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA