

CDCP1 Protein, Human (339a.a, HEK293, His)

Cat. No.:	HY-P700969
Synonyms:	CDCP1; CD318; SIMA135; TRASK; UNQ2486; PRO5773
Species:	Human
Source:	HEK293
Accession:	Q9H5V8-1 (F30-R368)
Gene ID:	64866
Molecular Weight:	60-70 kDa

PROPERTIES

Biological Activity	Immobilized Human CDCP1 (30-368) , His Tag at 2µg/ml (100µl/well) on the plate. Dose response curve for Anti-CDCP1 Antibody, hFc Tag with the EC ₅₀ of 13.2ng/ml determined by ELISA.
Appearance	Solution.
Formulation	Supplied as a 0.22µm filtered solution of 20mM PBS, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	N/A.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

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

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