

CDCP1 Protein, Rat (HEK293, His)

Cat. No.:	HY-P700687
Synonyms:	CDCP1; CD318; SIMA135; TRASK; UNQ2486; PRO5773
Species:	Rat
Source:	HEK293
Accession:	D3ZVA1 (S29-T666)
Gene ID:	301082
Molecular Weight:	90-120 kDa

PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.22 μ m filtered solution of PBS, pH 7.4. Normally 8% trehalose is added as protectant before lyophilization.
Endotoxin Level	<1 EU/ μ g, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μ g/mL in ddH ₂ O.
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, a cell surface glycoprotein, is a ligand for CD6, a receptor molecule expressed on certain T cells that may play a role in T cell migration and chemotaxis. CDCP1 may lead to autoimmune diseases such as encephalomyelitis, multiple sclerosis and inflammatory arthritis. CDCP1 mediates anti-adhesion and anti-migration by negatively regulating integrin receptors. CDCP1 promotes tumor proliferation and metastasis by activating MAPK/ERK and AKT signaling pathways ^{[1][2][3]} .
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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