

Recombinant Human CDCP1 Protein, His-tagged

Cat. No. CDCP1-42H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human CDCP1, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Species	Human
Source	Insect Cells
Description	CDCP1, also known as CUB domain-containing protein 1 isoform 1, is a transmembrane protein containing three extracellular CUB domains. This protein is involved in cell adhesion and cell matrix association. Also, CDCP1 may play a role in the regulation of anchorage versus migration or proliferation versus differentiation via its phosphorylation and may be a novel marker for leukemia diagnosis and for immature hematopoietic stem cell subsets. The extracellular region of human CDCP1 shares amino acid identity sequence with that of the mouse protein.
Form	Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.
Molecular Mass	72.8kDa (646aa)70-100KDa (SDS-PAGE under reducing conditions)
AA Sequence	FEIALPRESN ITVLIKLGTP TLLAKPCYIV ISKRHITMLS IKSGERIVFT FSCQSPENHF VIEIQKNIDC MSGPCPFGEV QLQPSTSLLP TLNRTFIWDV KAHKSIGLEL QFSIPRLRQI GPGESCPDGV THSISGRIDA TVVRIGTFCS NGTVSRIKMQ EGVKMALHLP WFHPRNVSGF SIANRSSIKR LCIIESVFEG EGSATLMSAN YPEGFPEDEL MTWQFVVP AH LRASVSFLNF NLSNCERKEE RVEYYIPGST TNPEVFKLED KQPGNMAGNF NLSLQGCDDQ AQSPGILRLQ

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FQVLVQHPQN ESNKIYVVDL SNERAMSLTI EPRPVKQSRK FVPGCFVCLE
 SRTCSSNLTL TSGSKHKISF LCDDLTRLWM NVEKTISCTD HRYCQRKSYS
 LQVPSDILHL PVELHDFSWK LLVPKDRLSL VLVPAQKLQQ HTHEKPCNTS
 FSYLVASAIP SQDLYFGSFC PGGSIKQIQV KQNISVTLRT FAPSFQQEAS
 RQGLTVSFIP YFKEEGVFTV TPDTKSKVYL RTPNWRGLP SLTSVSWNIS
 VPRDQVACL TFFKERSGVVC QTGRAFMIIQ EQRTAEEIF SLDEDVLPKP
 SFHHHSFWVN ISNCSPTSGK QLDLLFSVTL TPRTVDLTLE HHHHHH

Endotoxin < 1.0 EU per 1 microgram of protein (determined by LAL method)

Purity >90% by SDS – PAGE

Storage Can be stored at +4 centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20 centigrade or -70 centigrade. Avoid repeated freezing and thawing cycles.

Concentration 0.25mg/ml (determined by Absorbance at 280nm)

GENE INFORMATION

Gene Name CDCP1 CUB domain containing protein 1 [Homo sapiens]

Official Symbol CDCP1

Synonyms CDCP1; CUB domain containing protein 1; CUB domain-containing protein 1; CD318; SIMA135; membrane glycoprotein gp140; transmembrane and associated with src kinases; subtractive immunization M plus HEp3-associated 135 kDa protein; TRASK;

Gene ID 64866

mRNA Refseq NM_022842

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Protein Refseq	NP_073753
MIM	611735
UniProt ID	Q9H5V8
Chromosome Location	3p21.3

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