

Recombinant Human CDCP1 Protein, His-tagged

Cat. No. CDCP1-132H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CDCP1 Protein with His tag was expressed in E. coli.
Species	Human
Source	E.coli
Description	CUB domain containing protein 1 (CDCP1, SIMA135) is a putative stem cell marker shown in research studies to be highly expressed in some human cancer cells and in both typical and atypical (cancerous) colons. Expression of CDCP1 may be epigenetically regulated, as methylation of promoter CpG sequences results in decreased CDCP1 expression. The corresponding CDCP1 gene encodes a glycoprotein that acts as a complex, multidomain transmembrane antigen. CDCP1 has three extracellular CUB domains that may be involved in cell adhesion or extracellular matrix interactions. Src-family kinases may phosphorylate CDCP1 at five tyrosine residues within its cytoplasmic domain to provide a potential binding site for SH2 domain-containing proteins. CDCP1 is a putative hematopoietic stem cell marker.
Molecular Mass	~65 kDa
AA Sequence	FEIALPRESNITVLIKLGTPDLLAKPCYIVISKRHITMLSIKSGERIVFTFSCQSPENHFVI EIQKNIDCMMSGPCPFGEVQLQPSTSLPLNRTFIWDVKAHKSIGLELQFSIPRLRQIG PGESCPDGVTHSISGRIDATVVRIGTFCSNGTVSRIKMQEGVKMALHLPWFHPRNVS GFSIANRSSIKRLCIIESVFEGEGSATLMSANYPEGFPEDELMTWQFVPAHLRASVS

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FLNFNLSNCERKEERVEYYIPGSTTNPEVFKLEDKQPGNMAGNFNLSLQGCDQDAQ
 SPGILRLQFQVLVQHPQNESNKIYVVDLSNERAMSLTIEPRPVKQSRKFVPGCFVCL
 ESRTCSSNLTLTSGSKHKISFLCDDLTRLWMNVEKTISCTDHRVCQRKSYSLQVPSD
 ILHLPVELHDFSWKLLVPKDRLSLVLVPAQKLQQHTHEKPCNTSFSYLVASAIPSQDL
 YFGSFCPGGSIKQIQVKQNISVTLRTFAPSFQQEASRQGLTVSFIPYFKEEGVFTVTP
 DTKSKVYL RTPNWD RGLPSLTSVSWNISVPRDQVACL TFFKERSGVVCQTGRAFMII
 QEQRTRAEEIFSLDEDVLPKPSFHHSFWVNISNCSPTSGKQLDLLFSVTLTPRTVD
 LT

Purity

Transferred into competent cells and the supernatant was purified by NI column affinity chromatography and the purity is > 85% (by SDS-PAGE).

Notes

For research use only, not for use in diagnostic procedure.

Storage

Store at 4 centigrade short term. Aliquot and store at -20 centigrade long term. Avoid freeze-thaw cycles.

Storage Buffer

PBS, 4M Urea, pH7.4

GENE INFORMATION

Gene Name

CDCP1 CUB domain containing protein 1 [Homo sapiens (human)]

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

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mRNA Refseq [NM_022842](#)

Protein Refseq [NP_073753](#)

MIM [611735](#)

UniProt ID [Q9H5V8](#)

SDS-PAGE

