Recombinant human CDCP1 protein

Catalog Number: ATGP3306

PRODUCT INFORMATION

Expression system
Baculovirus

Domain
30-667aa

UniProt No.
Q9H5V8

NCBI Accession No.
NP_073753.3

Alternative Names
CDCP1, CD318, SIMA135, TRASK, Membrane glycoprotein gp140

PRODUCT SPECIFICATION

Molecular Weight
72.8 kDa (646aa)

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

Formulation
Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity
> 90% by SDS-PAGE

Endotoxin level
< 1 EU per 1ug of protein (determined by LAL method)

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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. Recombinant human CDCP1, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

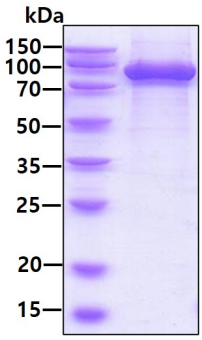
FEIALPRESN ITVLIKLGTP TLLAKPCYIV ISKRHITMLS IKSGERIVFT FSCQSPENHF VIEIQKNIDC MSGPCPFGEV QLQPSTSLLP TLNRTFIWDV KAHKSIGLEL QFSIPRLRQI GPGESCPDGV THSISGRIDA TVVRIGTFCS NGTVSRIKMQ EGVKMALHLP WFHPRNVSGF SIANRSSIKR LCIIESVFEG EGSATLMSAN YPEGFPEDEL MTWQFVVPAH LRASVSFLNF NLSNCERKEE RVEYYIPGST TNPEVFKLED KQPGNMAGNF NLSLQGCDQD AQSPGILRLQ FQVLVQHPQN ESNKIYVVDL SNERAMSLTI EPRPVKQSRK FVPGCFVCLE SRTCSSNLTL TSGSKHKISF LCDDLTRLWM NVEKTISCTD HRYCQRKSYS LQVPSDILHL PVELHDFSWK LLVPKDRLSL VLVPAQKLQQ HTHEKPCNTS FSYLVASAIP SQDLYFGSFC PGGSIKQIQV KQNISVTLRT FAPSFQQEAS RQGLTVSFIP YFKEEGVFTV TPDTKSKVYL RTPNWDRGLP SLTSVSWNIS VPRDQVACLT FFKERSGVVC QTGRAFMIIQ EQRTRAEEIF SLDEDVLPKP SFHHHSFWVN ISNCSPTSGK QLDLLFSVTL TPRTVDLT<LE HHHHHH>

General References

Miura S., et al. (2014) Exp. Cell Res. 321:209-218.
Uekita., et al. (2013) Cancer Sci. 104:865-870.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain