CDCP1, 30-667aa, Human, His tag, Insect cell

Cat.NO.: TP01550

3th Edition

Synonyms:CDCP1, CD318, SIMA135, TRASK, Membrane glycoprotein gp140

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.

Form: Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

Molecular Weight:72.8kDa (646aa), 70-100KDa (SDS-PAGE under reducing conditions)

Sequences:
FEIALPRESNITVLIKLGTPTLLAKPCYIVISKRHITMLSIKSGERIVFTFSCQSPENHFVIEIQKNIDCMSGPCPFGEVQL
QPSTSLLPTLNRTFIWDVKAHKSIGLELQFSIPRLRQIGPGESCPDGVTHSISGRIDATVVRIGTFCSNGTVSRIKMQE
GVKMALHLPWFHPRNVSGFSIANRSSIKRLCIIESVFEGEGSATLMSANYPEGFPEDELMTWQFVVPAHLRASVSFL
NFNLSNCERKEERVEYYIPGSTTNPEVFKLEDKQPGNMAGNFNLSLQGCDQDAQSPGILRLQFQVLVQHPQNESN
KIYVVDLSNERAMSLTIEPRPVKQSRKFVPGCFVCLESRTCSSNLTLTSGSKHKISFLCDDLTRLWMNVEKTISCTDH
RYCQRKSYSLQVPSDILHLPVELHDFSWKLLVPKDRLSLVLVPAQKLQQHTHEKPCNTSFSYLVASAIPSQDLYFGS
FCPGGSIKQIQVKQNISVTLRTFAPSFQQEASRQGLTVSFIPYFKEEGVFTVTPDTKSKVYLRTPNWDRGLPSLTSV
SWNISVPRDQVACLTFFKERSGVVCQTGRAFMIIQEQRTRAEEIFSLDEDVLPKPSFHHHSFWVNISNCSPTSGKQL
DLLFSVTLTPRTVDLTLEHHHHHH

Purity:> 95% by HPLC

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

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

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