

CADM1, 45-374aa, Human, His tag, E.coli

Cat.NO.: TP01402

3th Edition

Synonyms:Cell adhesion molecule 1, BL2, IGSF4, IGSF4A, Necl-2, NECL2, RA175, sglGSF, ST17, sTSLC-1, SYNCAM, synCAM1, TSLC1

Description:CADM1 mediates homophilic cell-cell adhesion in a Ca²⁺-independent manner and also mediates heterophilic cell-cell adhesion with CADM3 and PVRL3 in a Ca²⁺-independent manner. This protein acts as a tumor suppressor in non-small-cell lung cancer (NSCLC) cells. Interaction with CRTAM promotes natural killer (NK) cell cytotoxicity and interferon-gamma (IFN-gamma) secretion by CD8⁺ cells in vitro as well as NK cell-mediated rejection of tumors expressing CADM3 in vivo. Recombinant human CADM1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

Form:Liquid. In Phosphate buffered saline (pH7.4) containing 10% glycerol, 1mM DTT

Molecular Weight:39.4 kDa (353aa) confirmed by MALDI-TOF

Sequences:

MGSSHHHHHHSSGLVPRGSHMGSQLFTKDVTVIEGEVATISCQVVKSDDSVIQLLNPNRQTIYFRDFRPLKDSRF
QLLNFSSELKVSILTNSISDEGRYFCQLYTDPPQESYTTITVLVPPRNLMIDIQKDTAVEGEEIEVNCTAMASKPATT
IRWFKGNTELKKGKSEVEEWSDMYTVTSQLMLKVHKEDDGVPVICQVEHPAVTGNLQTQRYLEVQYKPVVHIQMTY
PLQGLTREGDALELTCEAIGKQPVMVTWVRVDDEMPQHAVLSGPNLFINNLNKT DNGTYRCEASNIVGKAHSDY
MLYVYDPPTTIPPTTTTTTTTTTTTTTTTTILTITDSRAGEEGSIRAVDH

Purity:> 95% by HPLC

Concentration:0.25 mg/ml (determined by Bradford assay)

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.