

Product information

CADM1, 45-374aa

Human, His-tagged, Recombinant, *E.coli*

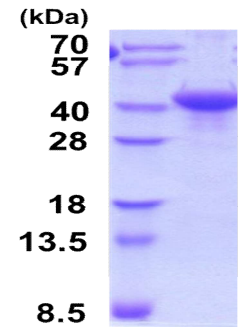
Cat. No. IBATGP2840

Full name: Cell adhesion molecule 1

NCBI Accession No.: NP_055148

Synonyms: BL2, IGSF4, IGSF4A, Necl-2, NECL2, RA175, sgIGSF, 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.

<p>Form: Liquid. In Phosphate buffered saline (pH7.4) containing 10% glycerol, 1mM DTT</p> <p>Molecular Weight: 39.4 kDa (353aa) confirmed by MALDI-TOF</p> <p>Purity: > 85 % by SDS - PAGE</p> <p>Concentration: 0.25 mg/ml (determined by Bradford assay)</p>	 <p>(kDa) 70 57 40 28 18 13.5 8.5</p> <p>15% SDS-PAGE (3ug)</p>
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Sequences of amino acids:

MGSSHHHHHH S SGLVPRGSH MGSQNLFTKD VTVIEGEVAT ISCVNKSDD SVIQLLNPNR QTIFYRDFRP LKDSRFQLLN FSSSELKVSL
 TNVSI SDEGR YFCQLYDPP QESYTTITVL VPPRNLMIDI QKDTAVEGEE I EVNCTAMAS KPATTIRWFK GNTELK GKSE VEEWSDMYTV
 TSQMLMLKVHK EDDGVPVICQ VEHPAVTGNL QTQRYLEVQY KPQVHIQMTY PLQGLTREGD ALELTCEAIG KPQPMVMTWV RVDDEMPQHA
 VLSGPNLFIN NLNKTDNGTY RCEASNIVGK AHSYMLYVY DPPTTIPPT TTTTTTTTTT TTILTIITDS RAGEEGSIRA VDH

General references:

Barton C.H., *et al.* (1988) *Development* 104:165-173.

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.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.