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Datasheet for ABIN6387491

CADM1 Protein (AA 45-374) (His tag)

1 Image

Overview

Quantity:	100 µg
Target:	CADM1
Protein Characteristics:	AA 45-374
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This CADM1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	<p>MGSSHHHHHH SSSLVPRGSH MGSQNLFTKD VTVIEGEVAT ISCQVNKSDD SVIQLLNPNR QTIYFRDFRP LKDSRFQLLN FSSSELKVSL TNVSISDEGR YFCQLYDPP QESYTTITVL VPPRNLMDI QKDTAVEGEE IEVNCTAMAS KPATTIRWFK GNTTELKKGSE VEEWSDMYTV TSQMLMLKVHK EDDGVPVICQ VEHPAVTGNL QTQRYLEVQY KPQVHIQMTY PLQGLTREGD ALELTCEAIG KPQPVMVTWV RVDDEMPQHA VLSGPNLFIN NLNKTDNGTY RCEASNIVGK AHSDYMLYVY DPPTTIPPT TTTTTTTTTT TTILTIITDS RAGEEGSIRA VDH</p>
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Purity:	> 85 % by SDS - PAGE
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Target Details

Target:	CADM1
Alternative Name:	CADM1 (CADM1 Products)

Target Details

Background: 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.

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

NCBI Accession: [NP_055148](#)

UniProt: [Q9BY67](#)

Pathways: [Regulation of Leukocyte Mediated Immunity](#), [Positive Regulation of Immune Effector Process](#), [Cell-Cell Junction Organization](#), [Activated T Cell Proliferation](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

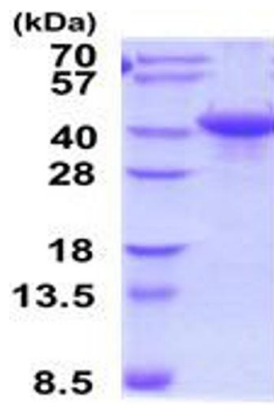
Format: Liquid

Concentration: 0.25 mg/mL

Buffer: Liquid. In Phosphate buffered saline (pH 7.4) containing 10 % glycerol, 1 mM DTT

Storage: 4 °C, -20 °C, -80 °C

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



15% SDS-PAGE (3ug)

SDS-PAGE

Image 1.