9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

CADM1 Human

Cell Adhesion Molecule 1 Human Recombinant
RCP0315

Product Overview

Name	CADM1 Human
Description	
Cell Adhesion Molecule 1 Human Recombinant	
Accession (Primary)	Q9BY67
Synonyms	
Cell Adhesion Molecule 1, Tumor Suppressor In Lung Cancer 1, IGSF4, Spermatogenic Immunoglobulin Superfamily, Immunoglobulin Superfamily, Member 4, Immunoglobulin Superfamily Member 4, Synaptic Cell Adhesion Molecule, Nectin-Like Protein 2, Nectin-Like 2, Necl-2, SgIGSF, IGSF4A, SYNCAM, TSLC-1, TSLC1, NECL2, Immunoglobulin Superfamily, Member 4D Variant 1, Immunoglobulin Superfamily, Member 4D Variant 2, TSLC1/Nectin-Like 2/IGSF4, Truncated CADM1 Protein, STSLC-1, SynCAM1, RA175, ST17, BL2, Cell adhesion molecule 1.	
Introduction	
Cell Adhesion Molecule 1, also known as CADM1 belongs to the nectin family. CADM1 mediates homophilic cell-cell adhesion in a Ca2+-independent manner as well as mediating heterophilic cell-cell adhesion with CADM3 and PVRL3 in a Ca2+-independent manner. Furthermore, CADM1 perform as a tumor suppressor in non-small-cell lung cancer, NSCLC, cells. The interaction with CRTAM promotes natural killer (NK) cell cytotoxicity & IFN-gamma secretion by CD8+ cells in vitro over and above NK cell-mediated rejection of tumors expressing CADM3 in vivo.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
CADM1 protein solution (0.25 mg/ml) containing Phosphate buffered saline (pH7.4), 10% glycerol and 1mM DTT.	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.	
Purity	
Greater than 85.0% as determined by SDS-PAGE.	
Amino acid sequence	

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MGSSHHHHHH SSGLVPRGSH MGS QNLFTKD VTVIEGEVAT ISCQVNKSDD SVIQLLNPNR QTIYFRDFRP LKDSRFQLLN FSSSELKVSL TNVSISDEGR YFCQLYTDPP QESYTTITVL VPPRNLMIDI QKDTAVEGEE IEVNCTAMAS KPATTIRWFK GNTELKGKSE VEEWSDMYTV TSQLMLKVHK EDDGVPVICQ VEHPAVTGNL QTQRYLEVQY KPQVHIQMTY PLQGLTREGD ALELTCEAIG KPQPVMVTWV RVDDEMPQHA VLSGPNLFIN NLNKTDNGTY RCEASNIVGK AHSDYMLYVY DPPTTIPPPT TTTTTTTTTT TTILTIITDS RAGEEGSIRA VDH.

Precautions

CADM1 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q9BY67)