
Product Data Sheet

Product Name: CADM1 Human
 Cat. No.: GP22950
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Cell Adhesion Molecule 1; Tumor Suppressor In Lung Cancer1; 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.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSQNLFTKD VTVIEGEVAT ISCQVNKSDD SVIQLLNPNR QTIFYRDFRPLKDSRFQLLN FSSSELKVSL TNVSISDEGR YFCQLYTDPP QESYTTITVL VPPRNL MIDI QKDTAVEGEEIEVNCTAMAS KPATTIRWFK GNTTELK GKSE VEEWSDMYTVTSQLMLKVHK EDDGVPVICQ VEHPAVTGNL QTQRYLEVQY KPQVHIQMTYPLQGLTREGD ALELTCEAIG KPQPVMVTWV RVDDEMPQHA VLSGPNLFIN NLNKT DNGTY RCEASNIVGKAHSDYMLYVY DPPTTIPPT TTTTTTTTTT TTILTIITDS RAGEEGSIRA VDH.		
Formulation	CADM1 protein solution (0.25 mg/ml) containing Phosphatebuffered saline (pH7.4), 10% glycerol and 1mM DTT.		

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

Caution: Product has not been fully validated for medical applications. For research use only.

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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.

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.

Background

CADM1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 353 amino acids (45-374 a.a) and having a molecular mass of 39.4 kDa. CADM1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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