



**Catalog Number:** PR27271

**Product Type:** Recombinant Protein

**Source:** E. Coli

**Amino Acid Sequence:** MGSSHHHHHH SGLVPRGSH MGSQNLFTKD VTVIEGEVAT ISCQVNKSDS SVIQLLNPNR QTIYFRDFRP LKDSRFQLLN FSSSELKVSL TNVISIDEGR YFCQLYTDPQ QESYTTITVL VPPRNLMDI QKDTAVEGEE IEVNCTAMAS KPATTIRWFK GNTELKKGKSE VEEWSDMYTV TSQMLMKVHK EDDGVPVICQ VEHPAVTGNL QTQRYLEVQY KPQVHIQMTY PLQGLTREGD ALELTCEAIG KPQPVMVTWV RVDDEMPQHA VLSGPNLFIN NLNKTDNGTY RCEASNIVGK AHSYDMLYVY DPPTTIPPT TTTTTTTTTT TTILTITDS RAGEEGSIRA VDH.

**Description/Molecular Mass:** Cell Adhesion Molecule 1, also known as CADM1 belongs to the nectin family. CADM1 mediates homophilic cell-cell adhesion in a Ca<sup>2+</sup>-independent manner as well as mediating heterophilic cell-cell adhesion with CADM3 and PVRL3 in a Ca<sup>2+</sup>-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<sup>+</sup> cells in vitro over and above NK cell-mediated rejection of tumors expressing CADM3 in vivo.

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.

**Purity:** Greater than 85.0% as determined by:  
(a) Analysis by SDS-PAGE.

**Format:** CADM1 protein solution (0.25 mg/ml) containing Phosphate buffered saline (pH7.4), 10% glycerol and 1mM DTT.

**Storage:** 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.

### FOR RESEARCH USE ONLY

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