

Cell Adhesion Molecule 1 Recombinant Protein | Cadm1 recombinant protein

Recombinant Mouse Cell Adhesion Molecule 1 Protein

CATALOG #
AAA174602

HOST
HEK293 Cells

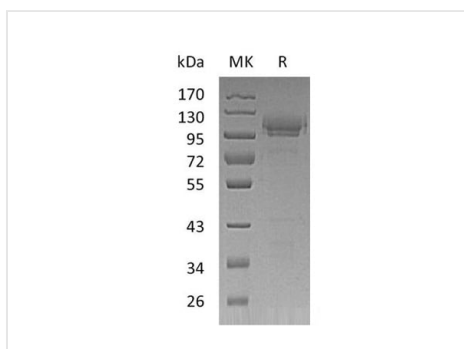
PRODUCT SYNONYMS

Cell Adhesion Molecule 1; Recombinant Mouse Cell Adhesion Molecule 1 Protein; Cell adhesion molecule 1; Immunoglobulin superfamily member 4; IgSF4; Nectin-like protein 2; NECL-2; Synaptic cell adhesion molecule; SynCAM; Tumor suppressor in lung cancer 1; TSLC-1; Cadm1 recombinant protein

PRODUCT SPECIFICATIONS

Host	HEK293 Cells
Purity/Purification	>90% as determined by reducing SDS-PAGE.
Form/Format	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Sequence Length	445
Species	Mouse
Endotoxin	<1.0 EU per of the protein as determined by LAL method.
Sequence	Gln48-His388
Tag	C-Fc
Reconstitution	We recommend centrifuging the vial before opening to bring the contents to the bottom. Do not mix by vortex. It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 mg/mL. Concentration is measured by UV-Vis
Preparation and Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for Cadm1 recombinant protein	Background: Cell adhesion molecule 1(CADM1) is a single-pass type I membrane protein and belongs to the nectin family. It contains 2 Ig-like C2-type (immunoglobulin-like) domains and 1 Ig-like V-type (immunoglobulin-like) domain. CADM1 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. CADM1 may contribute to the less invasive phenotypes of lepidic growth tumor cells. In mast cells, it may mediate attachment to and promote communication with nerves. CADM1, together with MITF, is essential for development and survival of mast cells in vivo. The protein acts as a synaptic cell adhesion molecule and plays a role in the formation of dendritic spines and in synapse assembly. It may be involved in neuronal migration, axon growth, pathfinding, and fasciculation on the axons of differentiating neurons. CADM1 may play diverse roles in the spermatogenesis including in the adhesion of spermatocytes and spermatids to Sertoli cells and for their normal differentiation into mature spermatozoa.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	71040104
NCBI GeneID	54725
NCBI Accession #	NP_061240.3
NCBI GenBank Nucleotide #	NM_018770.3
UniProt Accession #	Q8R5M8; Q6F3J3; Q7TNL1; Q80VG4; Q8K3T6; Q8R4L1; Q9QYL5; Q9QYL6; Q9Z2H8
Molecular Weight	Molecular Mass: 65.3kDa Actual Protein Molecular Mass: 94-120kDa
NCBI Official Full Name	cell adhesion molecule 1 isoform c
NCBI Official Synonym Full Names	cell adhesion molecule 1
NCBI Official Symbol	Cadm1
NCBI Official Synonym Symbols	BL2; ST17; IgSF4; NECL2; RA175; TSLC1; IgSF4a; RA175A; RA175B; RA175C; RA175N; SgIGSF; SynCam; AI987920; 2900073G06Rik; 3100001I08Rik
NCBI Protein Information	cell adhesion molecule 1
UniProt Protein Name	Cell adhesion molecule 1
UniProt Gene Name	Cadm1
UniProt Synonym Gene Names	IgSF4; NECL-2; SgIGSF; SynCAM; TSLC-1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.