

Datasheet for ABIN7195011

CADM1 Protein (AA 1-377) (His tag)[Go to Product page](#)**1** Image

Overview

Quantity:	50 µg
Target:	CADM1
Protein Characteristics:	AA 1-377
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CADM1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Mouse SynCam/CADM1 Protein (aa 1-377, His Tag)
Sequence:	Met1-His377
Characteristics:	A DNA sequence encoding the mouse Cadm1 (NP_061240.3) (Met1-His377) was expressed with a polyhistidine tag at the C-terminus.
Purity:	> 95 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method.

Target Details

Target:	CADM1
Alternative Name:	SynCam/CADM1 (CADM1 Products)
Background:	Background: Members of the immunoglobulin superfamily often play key roles in intercellular

Target Details

adhesion. IGSF4 is a novel immunoglobulin (Ig)-like intercellular adhesion molecule. Three Ig-like domains are included in the extracellular domain of IGSF4 and mediate homophilic or heterophilic interactions independently of Ca²⁺. The cytoplasmic domain of IGSF4 contains the binding motifs that connect to actin fibers. Since IGSF4 has been characterized by several independent research groups, this molecule is called by three names, TSLC1, SgIGSF and SynCAM. IGSF4 was first characterized as a tumor suppressor of non-small cell lung cancer and termed TSLC1. It is a single-pass type I membrane protein which belongs to the nectin family, which may be involved in neuronal migration, axon growth, pathfinding, and fasciculation on the axons of differentiating neurons. In addition, 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. In neuroblastoma, loss of CADM1 expression has recently been found in disseminated tumours with adverse outcome, prompting us to investigate its role in neuroblastoma tumour progression. The downregulation of CADM1 tumour suppressor gene expression is a critical event in neuroblastoma pathogenesis resulting in tumour progression.

Synonym: 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

Molecular Weight:	38.5 kDa
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NCBI Accession:	NP_061240
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Pathways:	Regulation of Leukocyte Mediated Immunity , Positive Regulation of Immune Effector Process , Cell-Cell Junction Organization , Activated T Cell Proliferation
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Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
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Reconstitution:	Please refer to the printed manual for detailed information.
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Buffer:	Lyophilized from sterile PBS, pH 7.4
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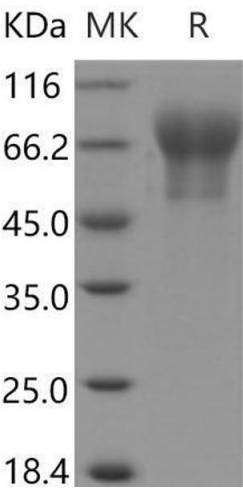
Storage:	4 °C, -20 °C, -80 °C
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Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C.
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Handling

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



Western Blotting

Image 1.