

Datasheet for ABIN7597459

## CADM1 Protein (AA 45-374) (Fc Tag)



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### Overview

Quantity:	10 µg
Target:	CADM1
Protein Characteristics:	AA 45-374
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CADM1 protein is labelled with Fc Tag.

### Product Details

Purpose:	Recombinant human CADM1 Protein with C-terminal human Fc tag
Sequence:	CADM1(Gln45-His374) hFc(Glu99-Ala330)
Purity:	The purity of the protein is greater than 95 % as determined by SDS-PAGE and Coomassie blue staining.

### Target Details

Target:	CADM1
Alternative Name:	CADM1 ( <a href="#">CADM1 Products</a> )
Background:	BL2, ST17, IGSF4, NECL2, RA175, TSLC1, IGSF4A, Necl-2, SYNCAM, sglGSF, sTSLC-1, synCAM1 Enables signaling receptor binding activity. Involved in several processes, including cell recognition, positive regulation of cytokine production, and susceptibility to natural killer cell mediated cytotoxicity. Located in plasma membrane. Implicated in breast carcinoma and

## Target Details

	prostate cancer. Biomarker of cervix uteri carcinoma in situ. [provided by Alliance of Genome Resources, Apr 2022]
Molecular Weight:	predicted molecular mass of 63.2 kDa after removal of the signal peptide. The apparent molecular mass of CADM1-hFc is 70-130 kDa due to glycosylation.
UniProt:	<a href="#">Q9BY67</a>
Pathways:	<a href="#">Regulation of Leukocyte Mediated Immunity</a> , <a href="#">Positive Regulation of Immune Effector Process</a> , <a href="#">Cell-Cell Junction Organization</a> , <a href="#">Activated T Cell Proliferation</a>

## Application Details

Application Notes:	Extracellular Domain Proteins (ECD) can be used as: <ul style="list-style-type: none"><li>• Immunogens for antibody drug development</li><li>• Reagents used for CAR-T positive cell monitoring</li><li>• Reagents for antibody screening and functional testing</li><li>• Reagents for antibody affinity measurement</li></ul>
Comment:	The protein was made using HEK293 mammalian cell secretion expression system to ensure the close-to-native structures and post-translational modifications of the target protein.
Restrictions:	For Research Use only

## Handling

Format:	Lyophilized
Buffer:	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Expiry Date:	12 months