

## Active Recombinant Human CADM1, Fc-tagged

Cat. No. CADM1-647H Lot. No. (See product label)

### SPECIFICATION

**Product Overview** The recombinant human NECL2-Fc fusion protein is expressed as a 531-amino acid protein consisting of Gln451 - His346 region of NECL2 (UniProt accession #Q9BY67 - isoform 5) and a C-terminal Fc from human IgG1, which exists as a dimer under non-reducing conditions.

**Species** Human

**Source** Human Cells

**ProteinLength** 451-346 a.a.

**Form** Supplied at 0.5 mg/ml in sterile PBS pH7.4 (carrier & preservative free).

**Bio-activity** Immobilized NECL2 binds CRTAM/CD355 in a functional ELISA

**Molecular Mass** Calculated molecular mass (kDa): 59.8; Estimated by SDS-PAGE under reducing condition (kDa): 70-80

**AA Sequence**

QNLFTKDVTVIEGEVATISCQVNKSDDSVIQLLNPNRQTIYFRDFRPLKDSRFQLLN  
 SSSELKVSLTNVSISD EGRYFCQLYDPPQESYTTITVLVPPRNLMDIQKDTAVEGE  
 EIEVNCTAMASKPATTIRWFKGNTELKKGKSEV EEWSDMYTVTSQLMLKVHKEDDG  
 VPVICQVEHPAVTGNLQTRYLEVQYKPVHQMTYPLQGLTREGDALELT CEAI GK  
 PQPVMVTWVRVDDMPQHAVLSGPNLFINNLNKT DNGTYRCEASNIVGKAHSDYM  
 LYVYDSRAGEEGS IRAVDHGSTGTHTCPPCPAPPELLGGPSVFLFPPKPKDTLMISRT  
 PEVTCVVVDVSHEDPEVKFNWYVDGVEVHN AKTKPREEQYNSTYRVVSVLTVLHQ

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DWLNKKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTK NQVSLTC  
LVKGFYPSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTVDKSRWQQGNV  
SCSVMHEALH NHYTQKSLSLSPGK

**Endotoxin**

<0.1 eu="" per="" 1="" μg="" of="" purified="" recombinant="" protein=""  
determined="" by="" the="" lal="">

**Purity**

>95% judged by SDS-PAGE under reducing condition

**Storage**

The product is shipped at 4°C. Upon receipt, centrifuge the product briefly before opening the vial. It is recommended to store small aliquots at the temperature below -20°C for long-term storage and the product is stable for 3 months. The undiluted protein can be stored at 4°C for no more than 2 weeks. Avoid repeated freeze-thaw cycles.

## GENE INFORMATION

**Gene Name**

CADM1 cell adhesion molecule 1 [ Homo sapiens ]

**Official Symbol**

CADM1

**Synonyms**

CADM1; cell adhesion molecule 1; IGSF4, immunoglobulin superfamily, member 4 ,  
TSLC1, tumor suppressor in lung cancer 1; BL2; IGSF4A; Necl 2; NECL2; nectin like  
2; RA175; ST17; SYNCAM; SYNCAM1; TSLC-1; nectin-like 2; nectin-like protein 2;  
truncated CADM1 protein; TSLC1/Nectin-like 2/IGSF4; synaptic cell adhesion  
molecule; tumor suppressor in lung cancer 1; immunoglobulin superfamily member 4;  
immunoglobulin superfamily, member 4; spermatogenic immunoglobulin superfamily;  
immunoglobulin superfamily, member 4D variant 2; IGSF4; TSLC1; Necl-2; sgIGSF;  
sTSLC-1; synCAM1; MGC51880; MGC149785; DKFZp686F1789;

**Gene ID**

23705

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<b>mRNA Refseq</b>	NM_001098517
<b>Protein Refseq</b>	NP_001091987
<b>MIM</b>	605686
<b>UniProt ID</b>	Q9BY67
<b>Chromosome Location</b>	11q23.2
<b>Pathway</b>	Adherens junctions interactions, organism-specific biosystem; Cell adhesion molecules (CAMs), organism-specific biosystem; Cell adhesion molecules (CAMs), conserved biosystem; Cell junction organization, organism-specific biosystem; Cell-Cell communication, organism-specific biosystem; Cell-cell junction organization, organism-specific biosystem; Nectin/Nectrans heterodimerization, organism-specific biosystem;
<b>Function</b>	PDZ domain binding; protein C-terminus binding; protein homodimerization activity; receptor binding; receptor binding;

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