

Active Recombinant Human CADM1, Fc-tagged, Biotinylated

Cat. No. CADM1-646H **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). The purified recombinant protein was labeled with Biotin (3-5 Biotin per molecule).
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	QNLFTKDVTVIEGEVATISCQVNKSDDSVIQLLNPNRQTIYFRDFRPLKDSRFQLLNFSSELKVSLSLTNVSISD EGRYFCQLYTDPPQESYTTITVLVPPRNLMDIQKDTAVEGE EIEVNCTAMASKPATTIRWFKGNTELKGKSEV EEWSDMYTVTSQMLMLKVHKEDDG VPVICQVEHPAVTGNLQTQRYLEVQYKPVHQMITYPLQGLTREGDALELT CEAIGK PQPVMVTWVRVDDEMPQHAVLSGPNLFINNLNKTNDNGTYRCEASNIVGKAHSDYM LYVYDSRAGEEGS IRAVDHGSTGTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRT

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PEVTCVVVDVSHEDPEVKFNWYVDGVEVHN AKTKPREEQYNSTYRVVSVLTVLHQ
DWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTK NQVSLTC
LVKGFYPSDIAVEWESNGQPENNYKTTPVLDSGDSFFLYSKLTVDKSRWQQGNVF
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.

Conjugation

Biotin

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;

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	sTSLC-1; synCAM1; MGC51880; MGC149785; DKFZp686F1789;
Gene ID	23705
mRNA Refseq	NM_001098517
Protein Refseq	NP_001091987
MIM	605686
UniProt ID	Q9BY67
Chromosome Location	11q23.2
Pathway	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/Necltrans heterodimerization, organism-specific biosystem;
Function	PDZ domain binding; protein C-terminus binding; protein homodimerization activity; receptor binding; receptor binding;