

# Active Recombinant Human CADM2, Fc-tagged, Biotinylated

**Cat. No.** CADM2-648H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | The recombinant human NECL3-Fc fusion protein is expressed as a 572-amino acid protein consisting of Gln25 - His367 region of NECL3 (UniProt accession #Q8N3J6) and a C-terminal Fc from human IgG1, which exists as a dimer under non-reducing conditions.                                                                                                                     |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Source</b>           | Human Cells                                                                                                                                                                                                                                                                                                                                                                     |
| <b>ProteinLength</b>    | 25-367 a.a.                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Form</b>             | 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).                                                                                                                                                                                                                   |
| <b>Bio-activity</b>     | Enhances neurite outgrowth of E16-E18 rat embryonic cortical neurons                                                                                                                                                                                                                                                                                                            |
| <b>Molecular Mass</b>   | Calculated molecular mass (kDa): 63.2; Estimated by SDS-PAGE under reducing condition (kDa): 80-65                                                                                                                                                                                                                                                                              |
| <b>AA Sequence</b>      | QFPLTQNVTVVEGGTAILTCRVDQNDNTSLQWSNPAQQTLYFDDKKALRDNRIELV<br>RASWHELISISVSDVSLSD EGQYTCSLFTMPVKTSKAYLTVLGVPEKPQISGFSSPV<br>MEGDLMQLTCKTSGSKPAADIRWFKNDKEIKDKYL KEEDANRKTFTVSSTLDFRV<br>DRSDDGVAVICRVDHESLNATPQVAMQVLEIHYTPSVKIIPSTPPFPQEGQPLIL TCES<br>KKGKPLPEPVLWTKDGGELPDPDRMVVSGRELNILFLNKTDNGTYRCEATNTIGQSS<br>AEYVLIVHDPNTL LPTTIIPSLTTATVTTTVAITTSPTTSATTSSIRDPNALAGQNGPD |

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HGSTGTHTCPPCPAPELLGGPSVFLFPP KPKDTLMISRTPEVTCVVVDVSHEDPEV  
KFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEY KCKVSNKAL  
PAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCLVKGFYPSDIAVEWESNG  
QPENNYKT TPPVLDSGSSFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKS  
LSLSPGK

**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**

CADM2 cell adhesion molecule 2 [ Homo sapiens ]

**Official Symbol**

CADM2

**Synonyms**

CADM2; cell adhesion molecule 2; IGSF4D, immunoglobulin superfamily, member 4D; Necl 3; NECL3; nectin like 3; SynCAM2; nectin-like 3; nectin-like protein 3; immunoglobulin superfamily member 4D; immunoglobulin superfamily, member 4D; IGSF4D; Necl-3; synCAM2; MGC104534; MGC138341; MGC138343;

**Gene ID**

253559

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|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| mRNA Refseq         | NM_001167674                                                                                                                                                                                                                               |
| Protein Refseq      | NP_001161146                                                                                                                                                                                                                               |
| MIM                 | 609938                                                                                                                                                                                                                                     |
| UniProt ID          | Q8N3J6                                                                                                                                                                                                                                     |
| Chromosome Location | 3p12.2                                                                                                                                                                                                                                     |
| Pathway             | Adherens junctions interactions, organism-specific biosystem; Cell junction organization, organism-specific biosystem; Cell-Cell communication, organism-specific biosystem; Cell-cell junction organization, organism-specific biosystem; |

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