

# Active Recombinant Human CADM4, Fc-tagged, Biotinylated

**Cat. No.** CADM4-650H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                  |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | The recombinant human NECL4-Fc fusion protein is expressed as a 532-amino acid protein consisting of Pro21 - Ala324 region of NECL4 (UniProt accession #Q8NFZ8) 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>    | 21-324 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>     | Immobilized NECL4 interact heterophilically with NECL1 and NECL3. Enhances neurite outgrowth of E16-E18 rat embryonic cortical neurons.                                                                                                                                                                          |
| <b>Molecular Mass</b>   | Calculated molecular mass (kDa): 59.0; Estimated by SDS-PAGE under reducing condition (kDa): 75-85                                                                                                                                                                                                               |
| <b>AA Sequence</b>      | PGAGQEVQTENVTVAEAGGVAEITCRLHQYDGSIVVIQNPARQTLFFNGTRALKDERF<br>QLEEFSPRRVRIRLSDA RLEDEGGYFCQLYTEDTHHQIATLTVLVAPENPVVEVREQ<br>AVEGGLEVELSCLVPRSRPAATLRWYRDRKELKGV SSSQENGKVWSVASTVRFVRV<br>DRKDDGGIIICEAQNQALPSGHSKQTQYVLVDVQYSPTARIHASQAVVREGDTLV LTC<br>AVTGNNRPNQIRWNRGNESLPERAEAVGETLTLPLGLVSADNGTYTCEASNKHGHA |

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RALYVLVYDPGAVVE AQTSPYASTGTHTCPPCPAPELLGGPSVFLFPPKPKDTL  
 MISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVH NAKTKPREEQYNSTYRVVSVL  
 TVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMT KNQ  
 VSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTPVLDSGGSFFLYSKLTVDKSRWQ  
 QGNVFSCSVMHEALH NHYTQKSLSLSPGK

**Endotoxin**

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

**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**

CADM4 cell adhesion molecule 4 [ Homo sapiens ]

**Official Symbol**

CADM4

**Synonyms**

CADM4; cell adhesion molecule 4; IGSF4C, immunoglobulin superfamily, member 4C; Necl 4; nectin like 4; SynCAM4; TSLL2; TSLC1-like 2; nectin-like 4; TSLC1-like protein 2; nectin-like protein 4; immunoglobulin superfamily member 4C; immunoglobulin superfamily, member 4C; NECL4; IGSF4C; Necl-4; synCAM4;

**Gene ID**

199731

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|                            |           |
|----------------------------|-----------|
| <b>mRNA Refseq</b>         | NM_145296 |
| <b>Protein Refseq</b>      | NP_660339 |
| <b>MIM</b>                 | 609744    |
| <b>UniProt ID</b>          | Q8NFZ8    |
| <b>Chromosome Location</b> | 19q13.32  |

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