

## Active Recombinant Human CADM3, Fc-tagged

Cat. No. CADM3-645H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	The recombinant human NECL1-Fc fusion protein is expressed as a 535-amino acid protein consisting of Asn25 - Ala331 region of NECL1 (UniProt accession #Q8N126) 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>	25-331 a.a.
<b>Form</b>	Supplied at 0.5 mg/ml in sterile PBS pH7.4 (carrier & preservative free).
<b>Bio-activity</b>	Immobilized NECL1 protein supports the adhesion of C6 rat brain glial cells and enhances neurite outgrowth of E16-E18 rat embryonic cortical neurons
<b>Molecular Mass</b>	Calculated molecular mass (kDa): 59.3; Estimated by SDS-PAGE under reducing condition (kDa): 60-70
<b>AA Sequence</b>	NLSQDDSQPWTSDETIVVAGGTVVVKCQVKDHEDSSLQWSNPAQQTLYFGEKRALR DNRIQLVTSTPHELISIS NVALADEGEYTCSTFTMPVVRTAKSLVTVLGPQKPIITGYK SSLREKDTATLNCQSSGSKPAARLTWRKGDQEL HGEPTRIQEDPNGKTFVSSSVT FQVTREDDGASIVCSVNHESLKGADRSTSQRIEVLYTPTAMIRPDPPHPRE GQKLLL HCEGRGNPVPQQYLWEKEGSVPLKMTQESALIFPFLNKSDSGTYGCTATSNMGS YKAYYTLNVNDPS PVPSSSSTYHASTGHTCPCPAPELLGGPSVFLFPPKPKDNL

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MISRTPEVTCVVVDVSHEDPEVKFNWYVDGV EVHNAKTKPREEQYNSTYRVVSVL  
 TVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRE EMTKNQ  
 VSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTPVLDSGDSFFLYSKLTVDKSRWQ  
 QGNVFSCSVMHE ALHNHYTQKSLSLSPGK

**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** [CADM3 cell adhesion molecule 3 \[ Homo sapiens \]](#)

**Official Symbol** [CADM3](#)

**Synonyms** CADM3; cell adhesion molecule 3; IGSF4B, immunoglobulin superfamily, member 4B; BIgR; FLJ10698; Necl 1; NECL1; nectin like 1; SynCAM3; TSLL1; TSLC1-like 1; nectin-like 1; TSLC1-like protein 1; nectin-like protein 1; brain immunoglobulin receptor; synaptic cell adhesion molecule 3; immunoglobulin superfamily member 4B; immunoglobulin superfamily, member 4B; dendritic cell nectin-like protein 1 short isoform; IGSF4B; Necl-1; synCAM3;

**Gene ID** [57863](#)

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<b>mRNA Refseq</b>	NM_001127173
<b>Protein Refseq</b>	NP_001120645
<b>MIM</b>	609743
<b>UniProt ID</b>	Q8N126
<b>Chromosome Location</b>	1q21.2-q22
<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>	protein homodimerization activity;

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