

Active Recombinant Human CADM3, Fc-tagged, Biotinylated

Cat. No. CADM3-644H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	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.
Species	Human
Source	Human Cells
ProteinLength	25-331 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 NECL1 protein supports the adhesion of C6 rat brain glial cells and enhances neurite outgrowth of E16-E18 rat embryonic cortical neurons
Molecular Mass	Calculated molecular mass (kDa): 59.3; Estimated by SDS-PAGE under reducing condition (kDa): 60-70
AA Sequence	NLSQDDSQPWTSDET VVAGGT VVLKCQVKDHEDSSLQWSNPAQQTLYFGEKRALR DNRIQLVTSTPHELISIS NVALADEGEYTC SIFTMPVRTAKSLVTVL GIPQKPIITGYK SSLREKDTATLNCQSSGSKPAARLTWRKGDQEL HGEPTRIQEDPNGKTFTVSSSVT FQV TREDDGASIVCSVN HESLKGADRSTSQR IEVLYTPTAMIRPDPPHPRE GQKLLL HCEGRGNPVPQQYLWEKEGSVPPLKMTQESALIFPFLNKSDSGTYGCTATSNMGS

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

YKAYYTLNVNDPS PVPSSSSTYHASTGTHTCPPCPAPELLGGPSVFLFPPKPKDTL
 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.

Conjugation Biotin

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; BlgR; 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;

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Gene ID	57863
mRNA Refseq	NM_001127173
Protein Refseq	NP_001120645
MIM	609743
UniProt ID	Q8N126
Chromosome Location	1q21.2-q22
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/Nectrans heterodimerization, organism-specific biosystem;
Function	protein homodimerization activity;

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