Active Recombinant Human CADM3, Fc-tagged

Cat. No. CADM3-645H **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).
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	NLSQDDSQPWTSDETVVAGGTVVLKCQVKDHEDSSLQWSNPAQQTLYFGEKRALR DNRIQLVTSTPHELSISIS NVALADEGEYTCSIFTMPVRTAKSLVTVLGIPQKPIITGYK SSLREKDTATLNCQSSGSKPAARLTWRKGDQEL HGEPTRIQEDPNGKTFTVSSSVT FQVTREDDGASIVCSVNHESLKGADRSTSQRIEVLYTPTAMIRPDPPHPRE GQKLLL HCEGRGNPVPQQYLWEKEGSVPPLKMTQESALIFPFLNKSDSGTYGCTATSNMGS YKAYYTLNVNDPS PVPSSSSTYHASTGTHTCPPCPAPELLGGPSVFLFPPKPKDTL

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	MISRTPEVTCVVVDVSHEDPEVKFNWYVDGV EVHNAKTKPREEQYNSTYRVVSVL TVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRE EMTKNQ VSLTCLVKGFYPSDIAVEWESNGQPENNYKTTPPVLDSDGSFFLYSKLTVDKSRWQ 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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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/Necltrans heterodimerization, organism-specific biosystem;
Function	protein homodimerization activity;

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