Active Recombinant Human CADM2, Fc-tagged

Cat. No. CADM2-649H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	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.
Species	Human
Source	Human Cells
ProteinLength	25-367 a.a.
Form	Supplied at 0.5 mg/ml in sterile PBS pH7.4 (carrier & preservative free).
Bio-activity	Enhances neurite outgrowth of E16-E18 rat embryonic cortical neurons
Molecular Mass	Calculated molecular mass (kDa): 63.2; Estimated by SDS-PAGE under reducing condition (kDa): 80-65
AA Sequence	QFPLTQNVTVVEGGTAILTCRVDQNDNTSLQWSNPAQQTLYFDDKKALRDNRIELV RASWHELSISVSDVSLSD EGQYTCSLFTMPVKTSKAYLTVLGVPEKPQISGFSSPV MEGDLMQLTCKTSGSKPAADIRWFKNDKEIKDVKYL KEEDANRKTFTVSSTLDFRV DRSDDGVAVICRVDHESLNATPQVAMQVLEIHYTPSVKIIPSTPFPQEGQPLIL TCES KGKPLPEPVLWTKDGGELPDPDRMVVSGRELNILFLNKTDNGTYRCEATNTIGQSS AEYVLIVHDVPNTL LPTTIIPSLTTATVTTTVAITTSPTTSATTSSIRDPNALAGQNGPD HGSTGTHTCPPCPAPELLGGPSVFLFPP KPKDTLMISRTPEVTCVVVDVSHEDPEV

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	KFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEY KCKVSNKAL PAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCLVKGFYPSDIAVEWESNG QPENNYKT TPPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKS 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.

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
mRNA Refseq	NM_001167674

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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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