

Product datasheet for **RC225621**

CADM3 (NM_001127173) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: CADM3 (NM_001127173) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: CADM3
Synonyms: BigR; IGSF4B; Necl-1; NECL1; synCAM3; TSLL1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC225621 representing NM_001127173
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGGGGCCCCAGCCGCCTCGCTCCTGCTCCTGCTCCTGCTGTTTCGCTGCTGCTGGGCGCCCGGGGG
 CCAACCTCTCCAGGACGACAGCCAGCCCTGGACATCTGATGAAACAGTGGTGGCTGGTGGCACCCTGGT
 GCTCAAGTGCCAAGTAAAGATCAGGAGACTCATCCCTGCAATGGTCTAACCTGCTCAGCAGACTCTC
 TACTTTGGGGAGAAGAGAGCCCTTCGAGATAATCGAATTCAGCTGGTTACCTCTACGCCCCAGAGCTCA
 GCATCAGCATCAGCAATGTGGCCCTGGCAGACGAGGGCGAGTACACCTGCTCAATCTTCACTATGCCTGT
 GCGAACTGCCAAGTCCCTCGTCACTGTGCTAGGAATCCACAGAAGCCCATCACTGTTATAAATCT
 TCATTACGGGAAAAAGACACAGCCACCCTAAACTGTCACTTCTGGGAGCAAGCCTGCAGCCCGGCTCA
 CCTGGAGAAAAGGGTGACCAAGAACTCCACGGAGAACCAACCCGCATACAGGAAGATCCCAATGGTAAAAAC
 CTTCACTGTGACGAGCTCGGTGACATCCAGGTTACCCGGGAGGATGATGGGGCGAGCATCGTGTGCTCT
 GTGAACCATGAATCTCTAAAGGGAGCTGACAGATCCACCTCTCAACGCATTGAAGTTTTATACACACCAA
 CTGCGATGATTAGGCCAGACCCTCCCCATCCTCGTGAGGGCCAGAAGCTGTTGCTACACTGTGAGGGTGC
 CGGCAATCCAGTCCCCAGCAGTACCTATGGGAGAAGGAGGGCAGTGTGCCACCCCTGAAGATGACCCAG
 GAGAGTGCCCTGATCTTCCCTTTCTCAACAAGAGTGACAGTGGCACCTACGGTGCACAGCCACCAGCA
 ACATGGGCAGCTACAAGGCCTACTACACCCTCAATGTTAATGACCCAGTCCGGTCCCTCTCCTCCAG
 CACCTACCACGCCATCATCGGTGGGATCGTGGCTTTTCATTGTCTTCTGCTGCTCATCATGCTCATCTTC
 CTCGGCCACTACTTGATCCGGCACAAAGGAACCTACCTGACACATGAGGCAAAAGGCTCCGACGATGCTC
 CAGACGCGGACACGGCCATCATCAATGCAGAAGGGCGGCAGTCAGGAGGGGACGACAAGAAGGAATATT
 CATC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >RC225621 representing NM_001127173
Red=Cloning site Green=Tags(s)

MGAPAASLLLLLLL FACCWAPGGANLSQDDSQPWTSDET VVAGGT VV LK CQVKDHEDSSLQWSNPAQQTLYFG EKRALRDNR IQLVTSTPHEL S I S I S NVALADEGEYTC S IFTMPV RTAKSLVTVL GIPQKPIITGYKSLREKDTATLNCQSSGSKPAARLTWRKGDQELHGEPTRIQEDPNGKFTTVSSSVTFQV TREDDGASIVCSVNHESLKGADRSTSQRIEVL YPTAMIRPDPHPREGQKLL LHCEGRGNPVPQYLWEKEG SVPLKMTQESALIFPFLNKSDSGTYGCTATSNMGSYKAYYTLNVNDPSPVPSSTYHAIIGGIVAFIVFLLLIMLIFLGHYLRHKGTYLTHEAKGSDDAPDADTAIINAE GGQSGGDDKKEYFI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001127173

ORF Size: 1194 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_001127173.3](#)

RefSeq ORF: 1197 bp

Locus ID: 57863

UniProt ID: [Q8N126](#)

Cytogenetics: 1q23.2

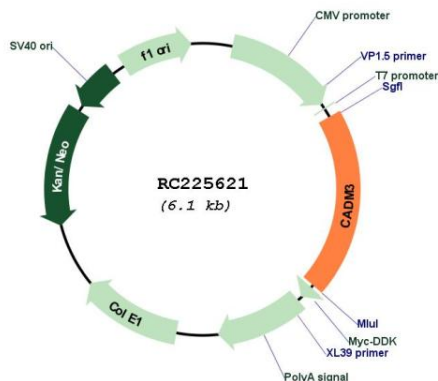
Protein Families: Transmembrane

Protein Pathways: Cell adhesion molecules (CAMs)

MW: 43.1 kDa

Gene Summary: The protein encoded by this gene is a calcium-independent cell-cell adhesion protein that can form homodimers or heterodimers with other nectin proteins. The encoded protein has both homophilic and heterophilic cell-cell adhesion activity. This gene is reported to be a tumor suppressor gene. [provided by RefSeq, Oct 2016]

Product images:



Circular map for RC225621