**OriGene Technologies, Inc.**
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

# Product datasheet for MC213091

## Cadm2 (NM_001145977) Mouse Untagged Clone

## Product data:

| | |
|---|---|
| **Product Type:** | Expression Plasmids |
| **Product Name:** | Cadm2 (NM_001145977) Mouse Untagged Clone |
| **Tag:** | Tag Free |
| **Symbol:** | Cadm2 |
| **Synonyms:** | 2900078E11Rik; 9330131D06; A830029E02Rik; Igdf4d; Igsf4d; NECL3; SynCAM 2; SynCAM2 |
| **Mammalian Cell Selection:** | Neomycin |
| **Vector:** | pCMV6-Entry (PS100001) |
| **E. coli Selection:** | Kanamycin (25 ug/mL) |

**Fully Sequenced ORF:**

```
>MC213091 representing NM_001145977
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGATTTGGAAACGCAGCGCGGTTCTCCGCTTCTACAGTGTCTGCGGGCTCCTGTTACAAGGCAGCCAAG
GGCAGTTTCCACTAACTCAGAATGTCACGGTTGTTGAAGGTGGAACTGCAATTTTGACCTGCAGAGTTGA
TCAAAATGATAACACCTCCCTCCAGTGGTCAAATCCAGCTCAACAGACTCTGTACTTCGATGACAAGAAA
GCTTTAAGGGACAATCGGATCGAGCTGGTTCGCGCTTCTTGGCATGAGTTGAGCATCAGTGTCAGTGATG
TGTCTCTCTCGGATGAAGGACAGTACACCTGCTCCTTATTTACAATGCCTGTCAAAACTTCCAAGGCCTA
TCTCACTGTCCTGGGTGTTCCGGAGAAGCCTCAGATTAGTGGATTTTCGTCACCCGTCATGGAGGGAGAC
CTGATGCAGCTGACGTGTAAGACGTCCGGCAGTAAGCCTGCGGCTGATATAAGATGGTTCAAAAATGACA
AAGAAATCAAAGATGTGAAGTACTTGAAAGAGGAGGATGCTAACCGAAAGACCTTCACCGTTAGCAGCAC
GCTGGATTTCCGAGTGGACCGTAGCGATGATGGAGTGGCGGTCATCTGCAGAGTAGACCATGAGTCCCTC
AATGCCACCCCTCAGGTAGCCATGCAGGTGCTAGAAATTCACTATACACCATCAGTTAAGATTATACCAT
CGACTCCTTTTCCACAAGAAGGGCAGGCTTTAACGTTGACCTGTGAATCTAAAGGAAAACCACTGCCAGA
ACCTGTTTTGTGGACGAAAGATGGTGCCGAATTACCAGATCCTGATCGAATGGTTGTGAGTGGTAGGGAA
CTCAACATTCTCTTCCTGAACAAAACGGACAATGGCACTTACCGATGTGAAGCCACTAACACCATTGGCC
AAAGCAGTGCCGAGTATGTCCTCATTGTTCACGATCCCAATTCTCTGGCTGGCCAGAATGGCCCTGACCA
TGCTCTCATCGGAGGAATAGTGGCTGTTGTTGTATTTGTTACACTGTGCTCCATATTCCTGCTTGGCCGA
TATCTGGCAAGACATAAAGGAACATATCTAACAAATGAAGCTAAAGGAGCCGAAGATGCACCAGATGCCG
ACACAGCCATTATCAATGCTGAAGGCAGCCAAGTCAATGCCGAAGAGAAAAAAGAGTATTTCATTTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
```

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

View online »

| | |
|---|---|
| **Restriction Sites:** | SgfI-MluI |
| **ACCN:** | NM_001145977 |
| **Insert Size:** | 1188 bp |
| **OTI Disclaimer:** | Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.<br><br>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 |
| **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.<br>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.<br>3. Close the tube and incubate for 10 minutes at room temperature.<br>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.<br>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_001145977.1, NP_001139449.1 |
| **RefSeq Size:** | 9553 bp |
| **RefSeq ORF:** | 1188 bp |
| **Locus ID:** | 239857 |
| **UniProt ID:** | Q8BLQ9 |
| **Cytogenetics:** | 16 C1.3- C2 |

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

**Gene Summary:** Adhesion molecule that engages in homo- and heterophilic interactions with the other nectin-like family members, leading to cell aggregation. Important for synapse organization, providing regulated trans-synaptic adhesion. Preferentially binds to oligodendrocytes (By similarity).[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (2) is missing an in-frame coding exon compared to transcript variant 1, resulting in a shorter isoform (2) missing a 9 aa segment compared to isoform 1.
Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US