

Product datasheet for **RN214262**

Cadm2 (NM_001047102) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cadm2 (NM_001047102) Rat Untagged Clone
Tag: Tag Free
Symbol: Cadm2
Synonyms: Igsf4d; Necl-3; SynCAM 2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN214262 representing NM_001047102
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGATTTGGAAACGCAGCGGGTTCTCCGTTCTACAGTGTCTGCGGGCTCCTGTTACAAGGCAGCCAAG
GGCAGTTTCCACTAACTCAGAATGTCACGGTTGTTGAAGGCGGAAGTCAATTCTGACCTGCAGAGTTGA
TCAAAATGATAACACCTCCCTCCAGTGGTGAATCCAGCTCAGCAGACTCTGTACTTCGATGACAAGAAA
GCTTTGAGGGACAATCGGATCGAGCTGGTTCGCGCTTCTTGCCATGAGTTGAGCATCAGTGTCAAGTACG
TGCTCTCTCTGATGAAGGACAGTACACCTGTTCCCTATTACAATGCCTGTCAAAACCTCCAAGGCCTA
TCTCACTGTCTGGGTGTTCCAGAGAAGCCTCAGATTAGTGGATTTTCATCCCCAGTCAATGGAGGGAGAC
CTGATGCAGCTGACTTGCAAGACGTCAGGCAGTAAGCCTGCGGCTGATATAAGATGGTTCAAAAATGACA
AAGAGATCAAAGATGTGAAGTACTTGAAGGAAGAGGATGCTAACCAGCAAGACCTTACCCTCAGCAGCAC
ACTGGATTTCCGAGTGGACCGTAGCGATGATGGAGTGGCGGTCACTGCAGAGTAGACCAGAGTCCCTC
AATGCCACCCCTCAGGTAGCCATGCAGGTGCTAGAAAATACACTATACCCATCAGTGAAGATTATACCAT
CCACTCCTTTCCACAAGAAGGACAGGCTTAAACATTGACTTGTGAATCTAAAGGAAAACCACTGCCAGA
ACCTGTTTTGTGGACGAAGGATGGGGCAGAATTACCAGATCCTGATCGAATGGTTGTGAGTGGTAGGGAA
CTCAACATTCTCTTCTGAACAAAACGGACAATGGCACTTATCGATGCGAAGCCACTAACACCATTGGTC
AAAGCAGCGCAGAGTACGTCCTCATTGTACACGATCCCAATTCTCTGGCTGGTCAGAATGGCCCTGACCA
TGCTCTCATAGGCGGCATAGTGGCTGTGGTTGTATTTGTTACCCTGTGCTCCATATTCTGCTTGGCCGA
TATCTGGCAAGACATAAAGGAACATATCTCACAAACGAAGCTAAAGGAGCCGAAGACGCACCAGATGCCG
ACACAGCCATTATCAATGCTGAAGGCAGCCAAGTCAATGCCGAAGAGAAAAAGAGTATTTTCATT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



ACCN:	NM_001047102
Insert Size:	1188 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<ol style="list-style-type: none">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:	<u>NM_001047102.1, NP_001040567.1</u>
RefSeq Size:	1188 bp
RefSeq ORF:	1188 bp
Locus ID:	360687
UniProt ID:	<u>Q1WIM2</u>
Cytogenetics:	11p12
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]