

## Product datasheet for **SC332405**

### Cell adhesion molecule 2 (CADM2) (NM\_001256505) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Cell adhesion molecule 2 (CADM2) (NM\_001256505) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Cell adhesion molecule 2  
**Synonyms:** IGSF4D; Necl-3; NECL3; SynCAM 2; synCAM2  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC332405 representing NM\_001256505.  
Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
ATGCCTGTCAAACCTCCAAGGCATATCTCACCGTTCTGGGTGTTCTGAAAAGCCTCAGATTAGTGGA  
TTCTCATCACCAGTTATGGAGGGTGACTTGATGCAGCTGACTTGCAAACATCTGGTAGTAAACCTGCA  
GCTGATATAAGATGGTTCAAAAATGACAAAGAGATTAAGATGTAATAATTTAAAGAAGAGGATGCA  
AATCGCAAGACATTCAGTGTGAGCAGCAGACTGGACTTCCGAGTGGACCGGAGTGATGATGGAGTGGCG  
GTCATCTGCAGAGTAGATCACGAATCCCTCAATGCCACCCCTCAGGTAGCCATGCAGGTGCTAGAAATA  
CACTATACACCATCAGTTAAGATTATACCATCGACTCCTTTTCCACAAGAAGGACAGCCTTTAATTTTG  
ACTTGTGAATCCAAGGAAAACCACTGCCAGAACCTGTTTTGTGGACAAAGGATGGCGGAGAATTACCA  
GATCCTGACCGAATGGTTGTGAGTGGTAGGGAGCTAAACATTCTTTTCTGAACAAAACGGATAATGGT  
ACATATCGATGTGAAGCCACAAACACCATTGGCCAAAGCAGTGCAGGAATATGTTCTCATTGTGCATGAT  
CCTAATGCTTTGGCTGGCCAGAAATGGCCCTGACCATGCTCTCATAGGAGGAATAGTGGCTGATGTTGTA  
TTTGTACGCTGTGTTCTATCTTTCTGCTTGGTCGATATCTGGCAAGGCATAAAGGAACGATTTAAACA  
AATGAAGCTAAAGGAGCTGAAGATGCACCAGATGCTGATACAGCCATTATCAATGCTGAAGGCAGCCAA  
GTCAATGCTGAAGAGAAAAAAGATATTCATTAA
```

**Restriction Sites:** Sgfl-MluI  
**ACCN:** NM\_001256505  
**Insert Size:** 864 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).



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**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\\_001256505.1](#)

**RefSeq Size:** 9007 bp

**RefSeq ORF:** 864 bp

**Locus ID:** 253559

**UniProt ID:** [Q8N3J6](#)

**Cytogenetics:** 3p12.1

**Protein Families:** Druggable Genome, Transmembrane

**MW:** 31.4 kDa

**Gene Summary:** This gene encodes a member of the synaptic cell adhesion molecule 1 (SynCAM) family which belongs to the immunoglobulin (Ig) superfamily. The encoded protein has three Ig-like domains and a cytosolic protein 4.1 binding site near the C-terminus. Proteins belonging to the protein 4.1 family crosslink spectrin and interact with other cytoskeletal proteins. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Feb 2012]

**Transcript Variant:** This variant (7) differs in the 5' UTR and coding region, lacks an alternate in-frame exon in the 3' CDS and uses a downstream start codon compared to variant 1. The resulting protein (isoform 5) is shorter and has a shorter N-terminus compared to isoform 1. Variants 6 and 7 encode the same protein. **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.