

Product datasheet for **SC328720**

Cell adhesion molecule 2 (CADM2) (NM_001167674) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cell adhesion molecule 2 (CADM2) (NM_001167674) Human Untagged Clone
Tag:	Tag Free
Symbol:	Cell adhesion molecule 2
Synonyms:	IGSF4D; Necl-3; NECL3; SynCAM 2; synCAM2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_001167674 edited
GGACGGTGGGTCCGGCGGGCCCGGAGGAGGACACCAGCGGAGCCCTGCACTCTCGTGC
CCCGCTCACCAGCATCTACTTGCCCTCGTTCCCTCCCGAGCCCTTTAGAGAAGGGACC
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CAACAGACTCTGTACTTTGACGACAAGAAAGCTTTAAGGGACAATAGGATCGAGCTGGTT
CGCGCTTCTGGCATGAATTGAGTATTAGTGTGATGATGTGTCTCTCTGATGAAGGA
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TTTCAGAAATACAGAACATAAATAATATGATGTGGTTGAGTGTTAACATAATAAATCAT
ATACAGTATGACATTTTAAAGGAAAAAAAAAAAAAAAAAACTCGAC
    
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- Restriction Sites:** Please inquire
- ACCN:** NM_001167674
- Insert Size:** 3500 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).
- OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
- 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_001167674.1](#), [NP_001161146.1](#)

RefSeq Size: 9580 bp

RefSeq ORF: 1308 bp

Locus ID: 253559

UniProt ID: [Q8N3J6](#)

Cytogenetics: 3p12.1

Protein Families: Druggable Genome, Transmembrane

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 (1) represents the longest transcript and encodes 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.