

## Product datasheet for **SC310400**

### CADM3 (NM\_021189) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CADM3 (NM_021189) Human Untagged Clone
Tag:	Tag Free
Symbol:	CADM3
Synonyms:	BlgR; IGSF4B; Necl-1; NECL1; synCAM3; TSLL1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC310400 representing NM_021189. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG  
GATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**  
ATGGGGGGCCAGCCGCCTCGCTCCTGCTCCTGCTGTTGCGCTGCTGCTGGGCGCCCGGGG  
GCCAACCTCTCCAGGACGGCTACTGGCAGGAGCAGGATTTGGAGCTGGGAAGCTGGCTCCACTCGAC  
GAGGCCATCAGCTCCACAGTCTGGAGCAGCCCTGACATGCTGGCCAGTCAAGACAGCCAGCCCTGGACA  
TCTGATGAAACAGTGGTGGCTGGTGGCACCCTGGTCTCAAGTCCAAGTGAAGATCACGAGGACTCA  
TCCCTGCAATGGTCTAACCTGCTCAGCAGACTCTCTACTTTGGGAGAAGAGAGCCCTTCGAGATAAT  
CGAATTCAGCTGGTTACCTCTACGCCCCAGAGCTCAGCATCAGCATCAGCAATGTGGCCCTGGCAGAC  
GAGGGCGAGTACACCTGCTCAATCTTCACTATGCCTGTGCGAACTGCCAAGTCCCTCGTCACTGTGCTA  
GGAATTCACAGAAGCCCATCATCACTGGTTATAAATCTTCATTACGGGAAAAAGACACGCCACCCCTA  
AACTGTCACTCTTCTGGGAGCAAGCCTGCAGCCCGGCTCACCTGGAGAAAGGGTGACCAAGAACTCCAC  
GGAGAACCAACCCGCATACAGGAAGATCCCAATGGTAAACCTTCACTGTGAGCAGCTCGGTGACATTC  
CAGGTTACCCGGGAGGATGATGGGGCGAGCATCGTGTGCTCTGTGAACCATGAATCTCTAAAGGGAGCT  
GACAGATCCACCTCTCAACGCATTGAAGTTTTATACACACCAACTGCGATGATTAGGCCAGACCCCTCCC  
CATCCTCGTGAGGGCCAGAAGCTGTTGCTACACTGTGAGGGTTCGGGCAATCCAGTCCCCCAGCAGTAC  
CTATGGGAGAAGGAGGGCAGTGTGCCACCCCTGAAGATGACCCAGGAGAGTGCCCTGATCTTCCCTTTC  
CTCAACAAGAGTGACAGTGGCACCTACGGCTGCACAGCCACCAGCAACATGGGCAGCTACAAGGCCCTAC  
TACACCCCTCAATGTTAATGACCCAGTCCGGTGCCTCCTCCTCCAGCACCTACCACGCCATCATCGGT  
GGGATCGTGGCTTTCATTGTCTTCTGCTGCTCATGCTCATCTTCTTGGCCACTACTTGATCCGG  
CACAAAGGAACCTACCTGACACATGAGGCAAAAGGCTCCGACGATGCTCCAGACGCGGACACGGCCATC  
ATCAATGCAGAAGGCGGGCAGTCAGGAGGGGACGACAAGAAGGAATATTCATCTAG  
**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT  
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC



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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_021189
<b>Insert Size:</b>	1299 bp
<b>OTI Disclaimer:</b>	<p>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 <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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. <a href="#">More info</a></p>
<b>OTI Annotation:</b>	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.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>Note:</b>	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
<b>RefSeq:</b>	<a href="#">NM_021189.3</a>
<b>RefSeq Size:</b>	3698 bp
<b>RefSeq ORF:</b>	1299 bp
<b>Locus ID:</b>	57863
<b>UniProt ID:</b>	<a href="#">Q8N126</a>
<b>Cytogenetics:</b>	1q23.2
<b>Domains:</b>	ig, IGc2, IG
<b>Protein Families:</b>	Transmembrane

**Protein Pathways:** Cell adhesion molecules (CAMs)

**MW:** 47 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]  
Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).