

Product datasheet for **RG225621**

CADM3 (NM_001127173) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: CADM3 (NM_001127173) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: CADM3
Synonyms: BlgR; IGSF4B; Necl-1; NECL1; synCAM3; TSLL1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG225621 representing NM_001127173
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGGGGCCCCAGCCGCCTCGCTCCTGCTCCTGCTCCTGCTGTTTCGCTGCTGCTGGGCGCCCGGGGG
CCAACCTCTCCAGGACGACAGCCAGCCCTGGACATCTGATGAAACAGTGGTGGCTGGTGGCACCCTGGT
GCTCAAGTGCCAAGTAAAGATCAGGAGACTCATCCCTGCAATGGTCTAACCTGCTCAGCAGACTCTC
TACTTTGGGAGAAGAGAGCCCTTCGAGATAATCGAATTCAGCTGGTTACCTCTACGCCCCAGAGCTCA
GCATCAGCATCAGCAATGTGGCCCTGGCAGACGAGGGCGAGTACACCTGCTCAATCTTCACTATGCCTGT
GCGAACTGCCAAGTCCCTCGTCACTGTGCTAGGAATCCACAGAAGCCCATCACTGTTATAAATCT
TCATTACGGGAAAAAGACACAGCCACCCTAAACTGTCACTTCTGGGAGCAAGCCTGCAGCCCGGCTCA
CCTGGAGAAAAGGGTGACCAAGAACTCCACGGAGAACCAACCCGCATACAGGAAGATCCCAATGGTAAAC
CTTCACTGTCAGCAGCTCGGTGACATCCAGGTTACCCGGGAGGATGATGGGCGGAGCATCGTGTGCTCT
GTGAACCATGAATCTCTAAAGGGAGCTGACAGATCCACCTCTCAACGCATTGAAGTTTTATACACACAA
CTGCGATGATTAGGCCAGACCCTCCCCATCCTCGTGAGGGCCAGAAGCTGTTGCTACACTGTGAGGGTGC
CGGCAATCCAGTCCCCAGCAGTACCTATGGGAGAAGGAGGGCAGTGTGCCACCCTGAAGATGACCAG
GAGAGTGGCCCTGATCTTCCCTTTCTCAACAAGAGTGACAGTGGCACCTACGGCTGCACAGCCACCAGCA
ACATGGGCAGCTACAAGGCCTACTACACCCTCAATGTTAATGACCCAGTCCGGTCCCTCTCCTCCAG
CACCTACCACGCCATCATCGGTGGGATCGTGGCTTTTATTGTCTTCTGCTGCTCATCATGCTCATCTTC
CTTGGCCACTACTTGATCCGGCACAAAGGAACCTACCTGACACATGAGGCAAAAGGCTCCGACGATGCTC
CAGACGCGGACACGGCCATCATCAATGCAGAAGGGCGGCAGTCAGGAGGGGACGACAAGAAGGAATATT
CATC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG225621 representing NM_001127173
 Red=Cloning site Green=Tags(s)

MGAPAASLLLLLLLLFACWAPGGANLSQDDSQPWTSDET VVAGGT VV LK CQVKDHEDSSLQWSNPAQQTL
 YFGKRALRDNR IQLVTSTPHEL S I S I S NVALADEGEYTC S I F T M P V R T A K S L V T V L G I P Q K P I I T G Y K S
 S L R E K D T A T L N C Q S S G S K P A A R L T W R K G D Q E L H G E P T R I Q E D P N G K T F T V S S S V T F Q V T R E D D G A S I V C S
 V N H E S L K G A D R S T S Q R I E V L Y P T A M I R P D P P H P R E G Q K L L L H C E G R G N P V P Q Q Y L W E K E G S V P P L K M T Q
 E S A L I F P F L N K S D S G T Y G C T A T S N M G S Y K A Y Y T L N V N D P S P V P S S S T Y H A I I G G I V A F I V F L L L I M L I F
 L G H Y L I R H K G T Y L T H E A K G S D D A P D A D T A I I N A E G G Q S G G D D K K E Y F I

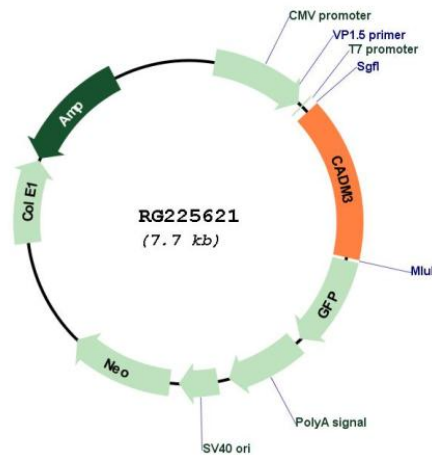
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001127173

ORF Size:	1194 bp
OTI Disclaimer:	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
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	NM_001127173.3
RefSeq Size:	3559 bp
RefSeq ORF:	1197 bp
Locus ID:	57863
UniProt ID:	Q8N126
Cytogenetics:	1q23.2
Protein Families:	Transmembrane
Protein Pathways:	Cell adhesion molecules (CAMs)
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]