

Product datasheet for **MG216289**

Cadm3 (NM_053199) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cadm3 (NM_053199) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Cadm3
Synonyms:	BlgR; Igsf4b; Necl-1; Necl1; SynCAM3; Tsl1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG216289 representing NM_053199 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGGGCCCTTCCGCCCTGCCCTGCTCCTGCTCCTCGCTGCTCCTGGGCGCCCGGGGGCAATC
TTTCCCAGGACGATAGCCAGCCCTGGACATCTGATGAAACAGTTGTGGCTGGTGGCACAGTGGTTCTCAA
GTGTCAAGTAAAAGACCATGAAGACTCATCTCTGCAGTGGTCTAACCTGCTCAGCAGACCCATACTTC
GGGAGAAGAGAGCCCTTCGAGATAATCGGATTCAGCTGGTTAGCTCTACTCCCATGAGCTCAGCATCA
GCATCAGCAATGTGGCGCTGGCCGATGAGGGGAGTACACGTGCTCCATCTTCACTATGCCTGTGCGAAC
CGCAAGTCCCTTGTCACTGTGCTCGGAATCCACAGAAACCCATAATCACTGGTTATAAGTCATCATTG
CGGAAAAGGAGACAGCCACTCTAAATTGTCACTTCTGGGAGCAAACCTGCAGCCAGCTCACCTGGA
GGAAAGGTGACCAAGAACTCCACGGGGACCAAACGAATCCAGGAAGATCCCAACGGGAAAACCTTAC
TGTGAGCAGCTCAGTGTCACTCCAGTTACCCGGGAGGATGATGGAGCAAACATCGTGTGCTCTGTGAAC
CATGAATCTCTGAAGGGAGCCGACAGATCCACTTCTCAGCGCATTGAAGTGTATACACCAACAGCCA
TGATTAGCCAGAACCTGCTCATCTCGAGAAGGCCAGAAGCTGTTGTTACATTGTGAGGGCGTGGCAA
TCCAGTCCCCAGCAGTACGTGTGGTAAAGGAAGGCAGTGAGCCACCCCTCAAGATGACCAAGAGAGT
GCTCTCATTTCCCTTTTGAATAAGAGTGACAGTGGCACTTATGGCTGTACAGCCAAAGCAACATGG
GCAGCTATACAGCCTACTTCACCCTCAATGTCAACGACCCAGTCCAGTGCCTCGCTCCTCAGTACCTA
CCACGCCATCATTGGAGGATTGTGGCTTTCATTGCTTCTCCTGCTGCTCATTCTGCTCATTTCCTTGG
CACTATTTGATCCGGCACAAAGGAACCTACCTGACACACGAAGCGAAGGGTCCGACGATGCTCCAGATG
CGGATACGGCCATCATCAACGCAGAAGGCGGCAGTCAGGCGGGGATGACAAGAAGGAATATTTTCATC

ACGGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG216289 representing NM_053199
 Red=Cloning site Green=Tags(s)

MGAPSALPLLLLLACSWAPGGANLSQDDSQPWTSDETVVAGGTVVLKQVKDHEDSSLQWSNPAQQTL YF
 GEKRALRDNRIQLVSSSTPHEL 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
 REKETATLNCQSSGSKPAAQL TWRKGDQELHGDQTRIQEDPNGKFTFTVSSSVSFQV TREDDGANIVCSVN
 HESLKGADRSTSQRIEVLYTPTAMIRPEPAHPREGQKLLHCEGRGNPVPQQYVWVKEGSEPLKMTQES
 ALIFPFLNKSDSGTYGCTATSNMGSYTAYFTLNVDNPSVPVSSSSTYHAIIGGIVAFIVFLLLILLIFLG
 HYLIRHKGTYLTHEAKGSDDAPDADTAIINAEGGQSGGDDKKEYFI

TRTRPLE - GFP Tag - V

Chromatograms: https://cdn.origene.com/chromatograms/ja1823_b12.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_053199

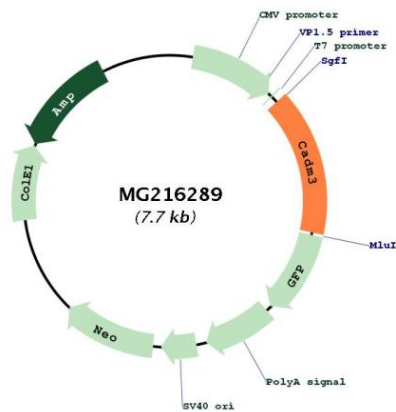
ORF Size: 1188 bp

OTI Disclaimer: 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 custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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:**
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_053199.3](#), [NP_444429.1](#)
- RefSeq Size:** 4159 bp
- RefSeq ORF:** 1191 bp
- Locus ID:** 94332
- UniProt ID:** [Q99N28](#)
- Cytogenetics:** 1 H3
- Gene Summary:** Involved in the cell-cell adhesion. Has both calcium-independent homophilic cell-cell adhesion activity and calcium-independent heterophilic cell-cell adhesion activity with IGSF4, NECTIN1 and NECTIN3. Interaction with EPB41L1 may regulate structure or function of cell-cell junctions.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG216289