

Product datasheet for **RR215412**

Cadm3 (NM_001047103) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cadm3 (NM_001047103) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Cadm3
Synonyms: Igsf4b; Necl-1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR215412 representing NM_001047103
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGGGGGCCCTTCGGCCCTGCCCTGCTCCTGCTCCTCGCTGCTCCTGGGCGCCCGGGGGCCCAATC
TTTCCCAGGACGATAGCCAGCCCTGGACGTCTGATGAAACAGTGGTGGCTGGTGGCACAGTAGTGCTCAA
GTGCCAAGTAAAAGACCATGAAGACTCATCTCTGCAGTGGTCTAACCCCTGCCAGCAGACTCTATACTTT
GGGAGAAAAGAGCCCTTCGAGATAATCGGATTCAGCTGGTATAGCTCCACCCCGCATGAGCTCAGCATCA
GCATCAGCAACGTGGCACTGGCCGACGAGGGCGAGTACACATGCTCCATCTTCACTATGCCTGTGCGGAC
CGCCAAGTCCCTCGTCACTGTGCTCGGAATCCACAGAAAACCCATAATCACTGGTTATAAGTCATCGTTG
CGGGAAAAGGAGACAGCCACTCTAAATTGTGAGTCTTCTGGGAGCAAACCTGCAGCCCAGCTCGCCTGGA
GAAAAGGTGACCAAGAACTCCACGGGGACCAGACGCGAATCCAGGAAGATCCCAATGGGAAAACCTTAC
TGTGAGCAGCTCGGTGTCATTCCAGGTTACCCGGGATGATGATGGAGCAAACGTCGTGTGCTCTGTGAAC
CATGAATCTCTGAAGGGAGCTGACAGATCCACCTCTCAGCGCATTGAAGTGTATACACACCAACAGCCA
TGATTAGGCCAGAACCTGCTCATCTCTGTAAGGCCAGAAGCTGTGTTACATTGTGAGGGCGGTGGCAA
TCCAGTCCCTCAGCAGTACGTGTGGGTAAGAAGGAGGAGCCAGCCACCCCTCAAGATGACCCAAGAGAGT
GCACTCATCTTCCATTTTTGAACAAAAGTGACAGTGGCACCTATGGCTGTACAGCCACGAGCAACATGG
GCAGCTATACAGCCTACTTCACTCTCAATGTCAACGACCCTAGTCCAGTGCCTCATCTCCAGTACTTA
CCACGCCATATTGGAGGGATCGTGGCTTTCATCGTCTTCTGCTGCTCATTCTGCTCATTTTCTTGGAA
CACTATTTGATCCGGCACAAGGAACGTACCTGACACACGAAGCGAAGGGCTCCGACGACCCCCAGATG
CAGATACGGCCATCATCAACGCAGAAGGGCGGCGAGTACGGCGGGGATGACAAGAAGGAATATTTTCATC

ACGCGTACGCGGCGGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR215412 representing NM_001047103
 Red=Cloning site Green=Tags(s)

MGAPSALPLLLLACSWAPGGANLSQDDSQPWTSDETVVAGTIVLKCQVKDHEDSSLQWSNPAQQTLYF
 GEKRALRDNRIQLVSSPHELSSISINVALADEGEYTCISFTMPVRTAKSLVTVLGIPQKPIITGYKSSL
 REKETATLNCQSSGSKPAAQLAWRKGDQELHGDQTRIQEDPNGKFTTVSSSVSFQVTRDDGDGANVCSVN
 HESLKGADRSTSQRIEVLYTPTAMIRPEPAHPREGQKLLHLHCEGRGNPVPQQYVWVKEGSEPLKMTQES
 ALIFPFLNKSDSGTYGCTATSNMGSYTAYFTLNVDNPSVPSSSSTYHAIIGGIVAFIVFLLLILLIFLG
 HYLIRHKGTYLTHEAKGSDDAPDADTAIINAEGGQSGDDKKEYFI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

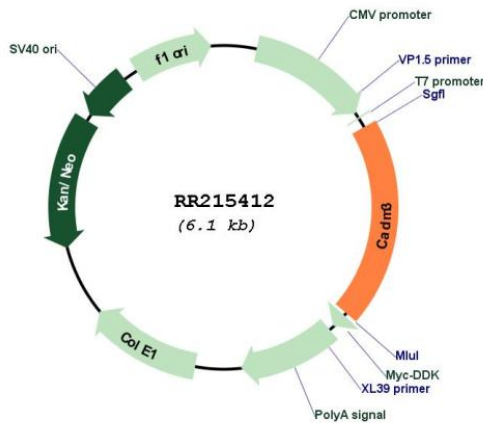
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001047103

ORF Size:	1188 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_001047103.1 , NP_001040568.1
RefSeq Size:	1191 bp
RefSeq ORF:	1191 bp
Locus ID:	360882
UniProt ID:	Q1WIM3
Cytogenetics:	13q24
MW:	42.9 kDa
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 (By similarity).[UniProtKB/Swiss-Prot Function]