

Product datasheet for MC224030

Cdan1 (NM_026891) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cdan1 (NM_026891) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cdan1
Synonyms:	1500015A01Rik; AI448026; AW492297; CDA-I; CDA1; CDAI
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC224030 representing NM_026891 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGCCGTTTTAGAGTCGCTGCTGCGCAAGAGGTGCCGGTCGCAGCCGCCGTGCGGTGGATCGCGC
GCAGCACCCCGAGTTCGGAGGATAGCTCCGAGGTGGCCGCTCTGAGCGCACTTCGGCCTCTCGGAAAGGA
ATTCGTCCGTTCTGCTGAACCTCCTGAGGGAGCAGAGCAGCCGGTCTCCCGCAGGGCCCTCAACC
CCCGCAAAGACCCAGTCGCTCGGCAGCCTTCCAGCAGGCGAGGGGGCCCGCACGGGTGGCCGTG
GGCGCGCAGCCAGCTTTCCCTGCAGCCGAGCCCTCAGCGCCGCCCGGAGGCACCTCTGGCCCGCCG
TGCGGGCCGAGGCGGGTCCGGGACCGGGGCCGTCCCGCAACGAGGCGGTCCGGGCTCCGGGGCCGCG
GAGGAGGGGGCGAGTGGCGAGAGCCCGCTTGGGCCGGAGGCCGGAAGCCTAAGGGCTCAGGCAGCCCTG
GCAGCCCCAGACTGTCGCTCTCTGATCCGCCAAACCTCAGCAACTTGGAGGAGTCCCTCCCGTAGGCAC
CGTTCTCCGGGCTCTGCAGGCAGAACGAAGCCTTCTCGAAGGATCAACCCAACCTCCGGTGGAGGAGAG
CGGTCACTGTCCAAGCCCAAGACCTGCTTACCTCACCCCAATCAGCTGTGTCCCAAGTCCCAACCT
CAACCTGGACTAGCCCTTGGGGCTTGGCCTTCCCCAGGGTGCAGAAGTCTGCAAGAGGAGCGGGA
GATGCTCAGGAAGGCGCGCACCAAGCAACTCCAGCAGTCACCTACCCAGCCTCTCCCATCCAGAATCG
GGTCTCCGGTCCAGCAGGACAGGAAACCTCACCGCAGAGCCTGCCGACCCGCGAGAGTGTCTTCTC
GACAGCGCTGGAGCTGGTAGCCCTTACTACTCCTCCTGCAATTGCTGAGAACCTAGTACCAAACCTTTT
CTTGGAGCTTTTCTCGTCTTCACTCCTTACTGCTCGGAGAATGGTGGCCACCAAGGACAGTGACCTG
GAATCAAGTCAGGGTGCCTAGATTCCCTGGACTCCCTGTTTCGTAGCATCCATGATTGCGTCTTCT
TTGCAGTGCAAGTTTTGGAGCATCAGTTTCAGTTCTCTCCTACCTGGATAAAGGACCTTAAAGCTGCT
GGCTGAGAATGAGCGGCTGCTGTGCTTCTCACCTGCTCTGCAGGGCCGCTTCCGGCTGCTTATGAAGGC
AGTGTGCCAAGGTCTCCCTCGTATACCACCTCTGCTCAGGCTGTCTCCTCCAGCCAGAAACTGACA
ATCGTGCCAACTTCTCCAGTGATCGAGCCTTTCATACTTTAAAAAAGCAGAGGGATGTGTTCTATGAGGT
ACTTCGAGAGTGGGAAGATCATCAGAGGAACCCAGCTGGGATTTGAGAAGGGCTTGGGTAGCAGGATC



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AGAGCCATGATGGGTCAACTTTCAGCAGCCTGCAGCCACAGCCACTTTGTCCGCCTTTTCCAAAAACAGC
 TTCTCCAGATGTGTGAGAGCCCTGGCGGTGCTGGGGATCTGTTCTGGGTGAAGCTCCAGATGATTGAA
 TATGCTAGGAGCTGACAACTAGGACGGTTGCGGCAGCTCCAAGAACGGCTGATAGCCCCCTCAGAGCAGT
 GGAGGGCCCTGCCACCCCCACATTCCAGGCTGTCAAGGCTTCTTCAGGGATTTCATCATGAGTGCCA
 GCAGCTTCCATTTAATCAGCACCTCATGGATAGTTAAAGTTAAAGATTGCGGAGCTCAATGGCCTTCG
 CCTGCCTCAGCAGCAGCCTGGTATGAAGATGGGAGTCAGACATGGACTGGCAGGGTGAACGGAGGCAA
 TTTGCTAGTGTCTTAGTCTTAGACTTTGGCTAAATTTCTGGGCTTTGTGGCTTTCTGCCATACC
 GGGGACATGAACCACCCCGACCCGTGAGCTTTCAGGACTCTATTCTGGCCCTCAGGAGCCAGGTCCCTCC
 TGTCTGGATATACGGGCTTTGCTGCAGCAGGGATTGTGGGCCCTCGGGCAGTGTCTACTGTGCCCTGG
 CTGGTAGAATTCCTCTCTTTGCTGACCACATTGTCCCCTGCTGGACTATTACCGGAGTGTCTTTACTC
 TCCTGCTGCGCTTACATCGGAGTTTGGTCTTATCAAAGGAGAATGAAGGAGAGATGTGCTTCTGAATAA
 GCTGCTGCTGCTGTCTGCTGGGCTGGCTTTCCAGATACCTACAGTTCCTGAGGACTTATTCTTTCTA
 GAAGATGGTCAGGTAGATGCCTTTGAGGTGACTACAAGTCTTCAGAGCATGGTTTGACAGTGTACCTG
 TTGTGGACCAGCAGCTGTATATACCTGTTGCCCTACATTGGAGAGCTCCGAAACTGCTTGTCTCCTG
 GGTTTCAGGAAGCAGTGGCGGAGTGGAGGCTTTGTGAGGAAAATCACTCCCACTACCACCAGCAGCCTG
 GGAGCCCTGCCTCTCAGACCAGCCAGGGGCTGCAGGCTCAACTTGTGAGGCCTTTTCCACAACAGC
 CACCCTCCCTGCGCAGGACTGTAGAATTTGTGGCAGAAAGAATTGGATCAAAGTGTGCAAAACATCAA
 GGCGACTGAGTGCAGATTTGGTGCATCAAGCAGAGTCACTTCTTCAGGAGCAGCTGGTGGCACGGGGA
 CAGGAAGGGGAGATCCAGCACAGCTTTTGAATCCTTGTGTTCTCAACTCTGCCCCATGGGGCCAAAG
 CATTGACCCAGGGGCGGGAGTTCTGCCAAAGGAAGAGCCCAACCGCTGTGCGAGCACTGTACCAGAGGA
 GACCCAGCTGCTGTTCTAAGCAGTGCAGAGAATTGCTGTGGGGCTTGGCAGAGAAAGCCTGCTCT
 TGGTTGTACCCAACATCACAGCGCTGATTAGAAGGGAAGTGAAGCAGCCGTGAGTGCATGCTACGAG
 CCCAGGGTCTGAGCCAAGTCCCGGGTGGAGCGGAGGGGCTGCTCCCGAGCCTGTGAGCACCATGCTCC
 CCTCCCTCCACCTCATCTCCGAGATAAAATTTTCATCACTGCTCTCTACAGGATGTGCTCTCCCTGGCG
 GCCGGGCTCGGGACCCTGAGGAGGAGTTTCCCAGAGCATCTGGAACAGCTTCTAAACCAGATGGGCC
 AGTCACTGCGATGCCGCCAGTTCCTGTGCCCAACTGCTGAGCAGCATCTGGCCAAGTGTCTGTAGAGTT
 GGCTTCCCTTCTAGTTGCAGACCAGATCCCATCTTAGGGCCCCAACACAGCACAGGCTGGAGCGAGGA
 CACGCTCGGAGGCTTCTACATATGCTGCTTTCTTGTGGAAGGATGACTCCAGGGGCCAGTTCATTAC
 AGCTTCTACTTAGCCCAAGAAATGTAGGGCTTCTGGCAGATACTAGGCCAAGAGAGTGGGATCTGCTGTT
 GTTCTTACTCCGGGAGCTGGTAGAAAAGGATCTCATGGGACATCTGGAGATAGAAGCCTGCTTAGGCCG
 CTTAATGAGGCCAGTGGCCAGGGGACTTCTCAGAAGAATTGTCAACACTGTTTCGCTTGTCTCTAGCTG
 AGCCCCATCTGCTAGAACCCAGCTAAGAGCTTGTGAAGTATGCAACCAACCGAGGGACAGTACTGGC
 CCAAAGCTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja2353_h06.zip

Restriction Sites: SgfI-MluI

ACCN: NM_026891

Insert Size: 3720 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](#)

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_026891.2](#), [NP_081167.2](#)

RefSeq Size: 6384 bp

RefSeq ORF: 3720 bp

Locus ID: 68968

UniProt ID: [Q8CC12](#)

Cytogenetics: 2 E5

Gene Summary: May act as a negative regulator of ASF1 in chromatin assembly.[UniProtKB/Swiss-Prot Function]