

Product datasheet for **MC203342**

Cisd2 (NM_025902) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cisd2 (NM_025902) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cisd2
Synonyms:	1500009M05Rik; 1500026J14Rik; 1500031D15Rik; AI848398; B630006A20Rik; Miner1; Noxp70
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC058279
 CCGCGAGCCCGCCGCGCTTCCGCTCTCACGCAAGCGCAGCAGCCGGGACGGGACGCCCGCGCGGCA
 GGATGGTCTGGACAGCGTGGCCCGCATCGTGAAGGTGCAGCTGCCCGCCTACCTCAAGCAGCTCCCGGT
 CCCCAGACAGCATACCCGGGTTCCGCCGCTCACAGTTTCAGACTGGCTCCGCCTACTGCCCTTCTCGGG
 GTACTTGGCGTCTTGGGCTACCTCGCAGTGCGCCATTCTTCCAAAGAAGAAGCAACAGAAGGATAGCT
 TGATCAATCTTAAGATACAAAAGGAAAAATCCCAAGGTGGTGAATGAGATAAACATTGAAGATCTGTGTCT
 CACCAAAGCAGCTTATTGTAGGTGCTGGCGGTCCAAGACGTTTCTGCCTGTGATGGATCCCATATAAG
 CATAATGAATTGACAGGCGATAACGTGGGTCTCTCATCCTGAAGAAGAAGAAGTATAGCAGTGGCCAT
 TTGAGATGAAACTCTGACAGAGTGTTCATGTGTGTTGTGCATAGAAAAGTCTTTGGAAGTTTTAACTC
 TCAGTACTGGTTGAATAATTATTTCTGCCAGTTATTTTCTTGCTACACTACTGCTTATATTTGGTACTTT
 ATATAGTCAGTCAATTTCTATAGAAATCAGATGGTCAAGTCTCATTCTGAAATTAAGTTTAAATGTGTCTTT
 CAACAATAAAGTCAGCACTTCAGATTTTAAATTAATTGGGAATTTAAAGTTTGACTGTGGGCCAAAAGTTA
 TTTCTTTGTATATCAGTATTTCAACAGAATACATAGTTTTAAAAAATTATCCTTTGTTCTGTTAAATGT
 ATCTTTATATTGTCTTGTGTTTGGCTCATTGAAGTCATTTGCCATTTTTTTGGCCTTTTGTGGAACCTGCG
 TGCTTTTGAAGAATTATGAAAAATAATTGCCATCAACAATATTTTGAGGCAGTAAAACCCCTTGTTTTA
 TAGAGACTTTTCATCTTATTACCATGATTATCCCAATTTCTAAAAAGTAAATCAGATATAAAAAATTTCCAA
 TTGAAAACAATATTTTCATCATAAAAATGGTTCACCTTACAAAAGCCTTGTTGTGTGTGTGAGGGTGTG
 AGGGTGTATATGTGTGTGTGAGTATGTGTGTGTGTGAGAGAGAGAGATATGTGTGTGTGTGTGTGGT
 GCTTAACTTGGAGACTGCTGGGTGGCAAGAGCACTCATGAACTAGAGTTTGAAGATCAGTTAGATATTA
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 ATTATAGAGAAACGGCAACAGGATTAAGTCTTGTATTCTAATGGATTGAATTTGTACATACTGAGAG
 AAAATATTTTGTCTTTTTTAAAAGAGATAACTCTTGTGTATTTTTTAAACGTCACAAAATATAGATCA
 AACACTTGTGGGCATAATGACAGAAAAAAGTCTGGAAGGACCAAGGACTATGACTATGACACAGCATGG
 TCCACTTGCACGGATAAAGGACGAGGACTTAGCAAAGTTGCTGCTTTTACTCTCTATTTCTCTTCCCCC
 CCCCCCCCCGCAACAAACCTTTATATGCTTTGCTTTTAAATTGATCTTTTCTTAATTGAGCTTTGAATA
 GAATCGTCATAGCACAGTTAAGCTCTTTAGGCCGAGTGATAAGACCTGATTGATTGTCTAAGGATAGGG
 TGGAGCCAGCAGGGCAGGAAGCATCATCACAAGTGGATTAGACAGAGGCTGTTGAGGAGAGGAAGCCAC
 ACACGTGTACAGCAAATACTGAAAAAACCAAAACACCAACAGTCTTTTACGCTGCTGCTCCTAAGTGAA
 ATGACACGTCAAGGGCAAGGTAGGCTAAATAAAGAAGGTGGGCTTAAAGTATGACTTTCAGTTCTGCCGT
 GTTCCCCAGAAGCAGGGTAAAAGCAAGACAGTTAAATCTGGGGACACTCACCTGTCTGCCTGCTGGAGT
 AGATGGACCATCTCTAGGATTTCTCTTTATTAATGAGCACACAGTATGCCTGGTACCACATGAATTCT
 GTTTGTTCTCTTTCTTTAGCTATCCTATCTAGCAGTTTGAAGAACTAGTGATGGCAAGCTAAAAAGGA
 AAATGATTACCAGTCAACTGTGCACAAAATTAAGTTTACACTGACACAGTTTGTAGTCTTAGTTTGTGTAT
 TGTAAGTGTAAATAATGTTAAAACAGACAGACATGTTTTAGAAAAGACTATTTTCATGTGTATGAGTGCC
 TGTCTGCCTGTCTGTGTGTCTGTCTGTGCACCATGCACATGCCTGGTGCCCGAGGAAGCCAGAGAGAATG
 TTGGATCCCTGGAAGTGAATTAACAGATAGTTGTGAGCTACCATGTGAATACTGGGAAGTGAACCTGGT
 CTCCTACAAGAACATCCAGTGTATTAACAAGTGAAGTGTGGAAGGAAGTATTCGAAAGGCAGAAAGTGTACA
 AAGCCGTGTCTGCTCACTCCACTCATGGTACTGAGGATGGAACCCAGGGCCTCCACACCCTGGCAAGAG
 CCCTTCACTGAGCTCCGTCTTGAGTTGTATCTTTTCAATAGCATAAAACCATTGAGACAAAATACAAGA
 AAGTTTTCCATATAGTTTACTGGAATTTTTGAATTTTGTGATTTTAGCCTACTATCAGAAGTCTCTT
 TAGTTTTATTTACAAGTCTCATGTAAGAGCTATTCTTAAACTATTAAGATACAACCTACTCGTTAAAA AAAAAAAAAA

Restriction Sites: RsrII-NotI
ACCN: NM_025902
Insert Size: 408 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: [BC058279](#), [AAH58279](#)

RefSeq Size: 2881 bp

RefSeq ORF: 408 bp

Locus ID: 67006

UniProt ID: [Q9CQB5](#)

Cytogenetics: 3 G3

Gene Summary: Regulator of autophagy that contributes to antagonize BECN1-mediated cellular autophagy at the endoplasmic reticulum. Participates in the interaction of BCL2 with BECN1 and is required for BCL2-mediated depression of endoplasmic reticulum Ca(2+) stores during autophagy. Contributes to BIK-initiated autophagy, while it is not involved in BIK-dependent activation of caspases. Involved in life span control, probably via its function as regulator of autophagy (By similarity).[UniProtKB/Swiss-Prot Function]