

## Product datasheet for **MR216359**

### Cdc40 (NM\_027879) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Cdc40 (NM_027879) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cdc40
Synonyms:	1200003H23Rik; EHB3; PRP17
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>MR216359 representing NM\_027879  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCCGCATCGCC

ATGTCGGTCTCGATTGCAGCTCTAGCTGCTTCGTATGGCTCGGGCTCGGGTCCGAATCGGATTCGGACA  
 GTGAGGGCAGTCCGTGTCCGCTGCCAGCCGCGGACTCTCTCATGCACTTGACCAAATCGCCTTCAGCCAA  
 GCTCTCTCTGACCGTGGCGGTGGACTCGGCTCCGGAGGTGGCAGTTAAGGAAGATCTGGAGACTGGAGTT  
 CACCTTGACCCTGCTGTCAAAGAAGTTCAGTATAATCCCACCTATGAGACCATGTTTCGCTCCTGAGTTTG  
 GACCAGAAAATCCCTTTGAAACACAGCAAATGGCTGCCCTAGAAAATATGCTTTCTGGGTATGCAGAGCC  
 AGCACACATCAATGACTTCATGTTTGAACAGCAAAGAAGGACATTTGCTACGTACGGCTATGCACCTGGAC  
 CCTTCGTAGATAATCATCAGGTGTCTGCTAAGTATATTGGCTCTGTGGAAGAAGCGGAGAAGAACCAAG  
 GCTTAAGTGTATTTGAACTGGTCAAGAAAACAGAAAAGGAAAAAGTTCAAAGAAAATGATGCATC  
 TAATATTGATGGTTTCTGGGACCATGGGCAAAAATATGTGGATGAAAAAGATGTGGCCAAACCTTCAGAA  
 GAAGAACAAAAGGAATTGGATGAAATCACAGCAAAGAGGCAGAAAAAGGCAAACAGGAAGAAGAGAAAAC  
 CTGGGGAGGAGAACAATCTTACATGTTAAAGAAATGTATGACTATCAAGGCAGGTCCTACCTTCACAT  
 ACCTCAGGATGTTGGTGTAAATCTACGGTCATCTGTGCCACCTGAAAAATGTTACCTTCCAAAAAACA  
 ATTCACGTGTGGTCTGGACACACAAAGGTTGTCAGCGCCGTCAGGCTCTTTCCTCTTTCTGGACATTTGT  
 TGCTGTCTTGCTCCATGGACTGTAAAATTAAGCTATGGGAAGTTTATGGAGACCGCGCTGTCTGAGAAC  
 ATTTATTGGTCACAGTAAAGCTGTGAGAGACATCTGCTTCAACTGCAGGAACCCAGTTCTCAGTGCC  
 GCCTACGACAGGTACCTTAACTCTGGGACACCGAGACAGGACAGTGTATATCAAGATTTACAAAACCGCA  
 AAGTACCCTACTGCGTCAAGTTCAATCCCGATGAAGATAAGCAAATCTCTTTGTGGCTGGGATGTCTGA  
 TAAGAAGATCGTACAGTGGGACATCCGCACTGGAGAGATTGTTCCAGGAATATGATCGGCATCTGGGGCT  
 GTCAACACGATTGTTTTGTTGATGAGAACCGAAGATTCTGTGAGTACATCTGATGATAAAAGCCTACGAG  
 TTTGGGAATGGGATATCCCTGTGGATTTAAGTACATAGCAGAGCCAGCATGCACTCAATGCCCGCAGT  
 GACTTTGTCTCCAAATGGGAAATGGCTAGCATGCCAGTCAATGGACAACCAAATCTTAATTTTTGGAGCA  
 CAGAACAGATTAGATTGAATAAGAAGAAAATATTTAAGGGCCACATGGTAGCAGGCTACGCTTGCAGG  
 TAGACTTCTCACCAGACATGAGCTATGTGATTTCCAGGAGATGGAATGGGAAATTAACATCTGGGACTG  
 GAAGACCACAAAATCTACAGTCGCTTTAAGCCCATGATAAAGTGTGCATAGGCGCAGTGTGCCACCC  
 CATGAGACCTCCAAGTCATCACGTGTGGTTGGGACGGCCTCATTAAAGTTGTGGAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR216359 representing NM\_027879  
 Red=Cloning site Green=Tags(s)

MSAAIAALAASYGSGSGSESDSSEGSRCPLPAADSLMHLTKSPSAKLSLTVAVDSAPEVAVKEDLETGV  
 HLDPAVKEVQYNPTYETMFAPFEPENPFRTQQMAAPRNMLSGYAEPAHINDFMFEQQRRRTFATYGYALD  
 PSLDNHQVSAKYIGSVVEAEKNQGLTVFETGQKTEKRKKFKENDASNIDGFLGPWAKYVDEKDVAKPSE  
 EEQKELDEITAKRQKKGKQEEKPGEEKILHVKEMYDYQGRSYLHIPQDVGNLRSSVPPEKCYLPKKQ  
 IHVWSGHTKGVSAVRLFPLSGHLLLSCSMDCIKLWEVYGDRRCLRTFIGHKAVRDICFNAGTQFLSA  
 AYDRYLKLDWDETGQCISRFTNRKVPYCVKFNPDQKQLFVAGMSDKKIVQWDIRSGEIVQEYDRHLGA  
 VNTIVFDENRRFVSTSDKSLRVWEWDIPVDFKYIAEPSMHSMMPAVTLSPNGKWLACQSMNQILIFGA  
 QNRFRLNKKKIFKGHMVAGYACQVDFSPDMSYVISGDGNGKLNINWDKTKLYSRFKAHDKVCIGAVWHP  
 HETSKVITCGWDGLIKLWD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mm9045\\_e04.zip](https://cdn.origene.com/chromatograms/mm9045_e04.zip)

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**


**ACCN:** NM\_027879

**ORF Size:** 1737 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:**

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\\_027879.2](#), [NP\\_082155.1](#)

**RefSeq Size:** 3370 bp

**RefSeq ORF:** 1740 bp

**Locus ID:** 71713

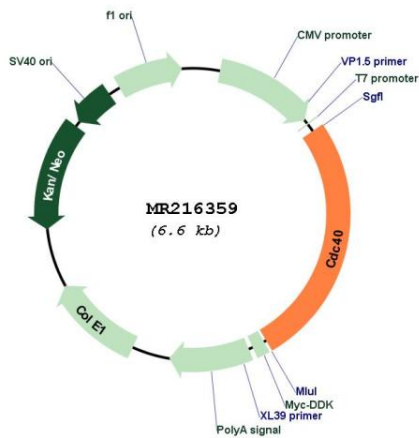
**UniProt ID:** [Q9DC48](#)

**Cytogenetics:** 10 B1

MW: 65.9 kDa

Gene Summary: Required for pre-mRNA splicing as component of the activated spliceosome.  
[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MR216359