

Product datasheet for **MG216359**

Cdc40 (NM_027879) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cdc40 (NM_027879) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Cdc40
Synonyms:	1200003H23Rik; EHB3; PRP17
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG216359 representing NM_027879
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCGGTGTCGATTGCAGCTCTAGCTGCTTCGTATGGCTCGGGCTCGGGTCCGAATCGGATTCGGACA
 GTGAGGGCAGTCCGTGTCCGCTGCCAGCCGCGGACTCTCTCATGCACTTGACCAAATCGCCTTCAGCCAA
 GCTCTCTCTGACCGTGGCGGTGGACTCGGCTCCGGAGGTGGCAGTTAAGGAAGATCTGGAGACTGGAGTT
 CACCTTGACCCTGCTGTCAAAGAAGTTCAGTATAATCCCACCTATGAGACCATGTTTCGCTCCTGAGTTTG
 GACCAGAAAATCCCTTTGAAACACAGCAAATGGCTGCCCTAGAAATATGCTTTCTGGGTATGCAGAGCC
 AGCACACATCAATGACTTCATGTTTGAACAGCAAAGAAGGACATTTGCTACGTACGGCTATGCACTGGAC
 CCTTCGTAGATAATCATCAGGTGTCTGCTAAGTATATTGGCTCTGTGGAAGAAGCGGAGAAGAACCAAG
 GCTTAAGTGTATTTGAACTGGTCAAGAAAACAGAAAAGGAAAAAGTTCAAAGAAAATGATGCATC
 TAATATTGATGGTTTCTGGGACCATGGGCAAAATATGTGGATGAAAAAGATGTGGCCAAACCTTCAGAA
 GAAGAACAAAAGGAATTGGATGAAATCACAGCAAAGAGGCAGAAAAAGGCAAACAGGAAGAAGAGAAAC
 CTGGGGAGGAGAACAATCTTACATGTTAAAGAAATGTATGACTATCAAGGCAGGTCCTACCTTCACAT
 ACCTCAGGATGTTGGTGTAAATCTACGGTCATCTGTGCCACCTGAAAAATGTTACCTTCCAAAAAACA
 ATTCACGTGTGGTCTGGACACACAAAGGTTGTCAGCGCCGTCAGGCTCTTTCCTCTTTCTGGACATTTGT
 TGCTGTCTTGCTCCATGGACTGTAAAATTAAGCTATGGGAAGTTTATGGAGACCGGCGTGTCTGAGAAC
 ATTTATTGGTCACAGTAAAGCTGTGAGAGACATCTGCTTCAACTGCAGGAACCCAGTTCTCAGTGCG
 GCCTACGACAGGTACCTTAACTCTGGGACCCGAGACAGGACAGTGTATATCAAGATTTACAAACCCGA
 AAGTACCCTACTGCGTCAAGTTCAATCCCGATGAAGATAAGCAAATCTCTTTGTGGTGGGATGCTGTA
 TAAGAAGATCGTACAGTGGGACATCCGCACTGGAGAGATTGTTTCAGGAATATGATCGGCATCTGGGGCT
 GTCAACACGATTGTTTTTGTGATGAGAACCGAAGATTCTGTGAGTACATCTGATGATAAAAGCCTACGAG
 TTTGGGAATGGGATATCCCTGTGGATTTAAGTACATAGCAGAGCCAGCATGCACTCAATGCCCGCAGT
 GACTTTGTCTCCAAATGGGAAATGGCTAGCATGCCAGTCAATGGACAACCAAATCTTAATTTTTGGAGCA
 CAGAACAGATTAGATTGAATAAGAAGAAAATTTAAGGGCCACATGGTAGCAGGCTACGCTTGTGAGG
 TAGACTTCTCACCAGACATGAGCTATGTGATTTCCAGGAGATGGAATGGGAAATTAACATCTGGGACTG
 GAAGACCACAAAATCTACAGTCGCTTTAAAGCCCATGATAAAGTGTGCATAGGCGCAGTGTGCCACCC
 CATGAGACCTCCAAGTTCATCACGTGTGGTTGGGACGGCCTCATTAAAGTTGTGGAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG216359 representing NM_027879
 Red=Cloning site Green=Tags(s)

MSAAIAALAASYGSGSGSESDDSEGSRCPLPAADSLMHLTKSPSAKLSLTVAVDSAPEVAVKEDLETGV
 HLDPAVKEVQYNPTYETMFAPEFGPENPFRTQQMAAPRNMLSGYAEPAHINDFMFEQQRRTFATYGYALD
 PSLDNHQVSAKYIGSVEEAEKNQGLTVFETGQKTEKRKFKENDASNIDGFLGPWAKYVDEKDVAKPSE
 EEQKELDEITAKRQKKGKQEEEEKPGEETILHVKEMYDYQGRSYLHIPQDVGVLNRSSVPPEKCYLPKKQ
 IHVWSGHTKGVSAVRLFPLSGHLLSCSMDCKIKLWEVYDGRRLRTFIGHSAKVRDIFNTAGTQFLSA
 AYDRYLKLWDTETGQCISRFTNRKVPYCVKFNPDQNLVAGMSDKKIVQWDIRSGEIVQEYDRHLGA
 VNTIVFVDENRRFVSTSDDKSLRVWEWDIPVDFKYIAEPSMHSMPAVTLSPNGKWLACQSMNQILIFGA
 QNRFRLNKKKIFKGHMVAGYACQVDFSPDMSYVISGDGNGKLNIDWKTTKLYSRFKAHDKVCIGAVWHP
 HETSKVITCGWDGLIKLWD

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

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

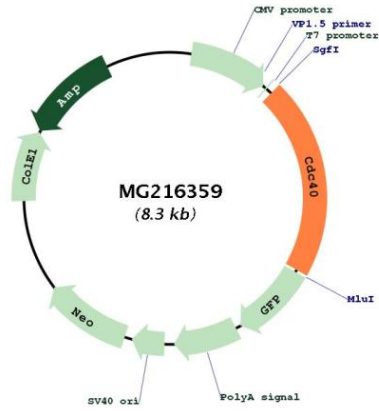
Locus ID: 71713

UniProt ID: [Q9DC48](#)

Cytogenetics: 10 B1

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

Product images:



Circular map for MG216359