

## Product datasheet for **RR209375**

### Cdc40 (NM\_001108538) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Cdc40 (NM_001108538) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cdc40
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR209375 representing NM_001108538 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTATGACTATCAAGGCAGTCTACCTCCACATCCCTCAGGATGTTGGTGTTAACCTGCGCTCATCTG  
TGCCACCTGAGAAATGTTACCTTCCAAAAACAATCCACGTGTGGTCCGGACACAAAAGGGCGTCAG  
TGCTGTCAAGCTGTTTCCTCTTTCCGGACATTTGTTGCTGTCTTGCTCCATGGACTGAAAATTAAGCTA  
TGGGAAGTTTATGGAGACCGCGCTGTCTGAGAACATTTATTGGTCACAGTAAAGCTGTGAGAGACATCT  
GCTTCAACACTGCAGGAACACAGTTCCTCAGTGCAGCCTACGACCGGTACCTTAAACTCTGGGACACCGA  
GACAGGACAGTGTATATCAAGATTTACAAACCGCAAAGTACCCTATTGCGTCAAGTTCAATCCCGATGAA  
GATAAGCAGAATCTCTTTGTGGCCGGGATGTCTGATAAAAAGATTGTACAGTGGGACATTCGAGCGGAG  
AGATTGTTCAAGAGTACGATCGGCATTTGGGGCTGTCAACACGATTGTCTTTGTGGATGAGAACCAGGAG  
ATTTGTGAGTACGTCTGATGATAAAAGCCTACGAGTTGGGAATGGGATATCCCTGTGGACTTTAAGTAC  
ATAGCAGAGCCTAGCATGCACTCAATGCCGGCAGTGACTTTGTCTCCAAATGGGAAATGGCTAGCATGCC  
AGTCCATGGATAACCAAATCTTAATATTTGGAGCACAGAACAGATTCAGATTGAATAAGAAGAAAATTTT  
TAAGGGCCACATGGTAGCAGGCTATGCTTGTGAGGTGGACTTCTACCAGACATGAGCTATGTGATTTCCG  
GGAGATGGAAATGGGAAATTAACATTTGGGACTGGAAGACCACAAACTCTACAGTCGCTTCAAAGCCC  
ATGATAAAGTGTGCATCGGCGCGGTGTGGCACCCTCACGAGACGTCCAAGGTCATCACGTGCGGCTGGGA  
CGCCTCATCAAGCTGTGGGAT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

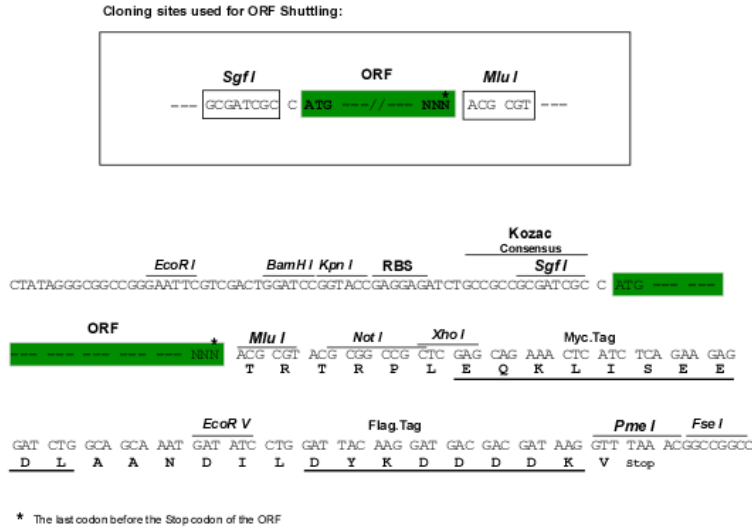
**Protein Sequence:** >RR209375 representing NM\_001108538  
Red=Cloning site Green=Tags(s)

MYDYQGRSYLHIPQDVGVNLRSSVPPEKCYLPKKQIHVWSGHTKGVSAVRLFPLSGHLLSCSMDCKIKL  
 WEVYGDRRCLRTFIGHSAVRDICFNAGTQFLSAAYDRYLKLDWTDGQCISRF TNRKVPYCVKFNPD  
 DKQNL FVAGMSDKKIVQWDIRSGEIVQEYDRHLGAVNTIVFDENRRFVSTSDDKSLRVWEWDIPVDFKY  
 IAEPSMHSMPAVTLSPNGKWLACQSMNQILIFGAQNRFRLNKKKIFKGHMVAGYACQVDFSPDMSYVIS  
 GDGNGKLNIDWKTTLYSRFAHDKVCIGAVWHPHETSKVITCGWDGLIKLWD

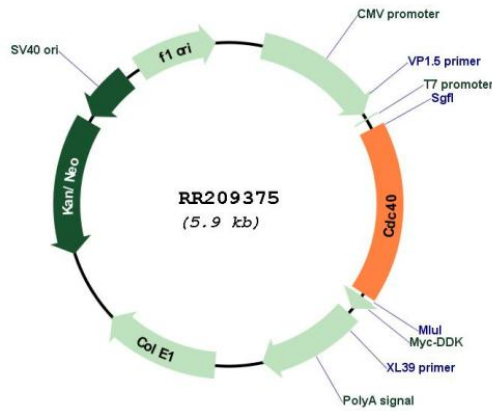
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001108538

<b>ORF Size:</b>	1002 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001108538.1</a> , <a href="#">NP_001102008.1</a>
<b>RefSeq Size:</b>	3105 bp
<b>RefSeq ORF:</b>	1005 bp
<b>Locus ID:</b>	361859
<b>Cytogenetics:</b>	20q13
<b>MW:</b>	38.5 kDa