

## Product datasheet for **MR208941**

### Cdc45 (NM\_009862) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Cdc45 (NM_009862) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cdc45
Synonyms:	Cdc45l
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR208941 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTTCTGTGACCGATTTCCGCAAGGAGTCTACGAGACGGTCCACAACCAGAGGGTCTTCTCTTTGTGG  
 CCTCGGACGTGGATGCCTTGTGTGCTTGAAGATCCTCCAGGCCCTGTTTCAGTGTGACCACGTCCAGTA  
 TACGCTGGTTCGGTTTTCTGGGTGGCAAGAACTTGAAACTGCATATCTTGAACATAAAGAGCAGTTCTCC  
 TATTTTCATCCTCATAAACTGTGGAGCCAACGTGGACCTGTTGGATATCCTTCAGCCTGATGAAGACAGTA  
 TATTTTTTGTGTGTGATACCCACAGGCCAGTGAACGTTGTGAATGTGTACAATGACACTCAGATCAAATT  
 GCTTATTAACAAGAGGATGACCTTGAGGTTCTGCCTACGACGACATCTTTAGAGATGAAGCAGAGGAT  
 GAAGATCTTTAGACAGTACGGTGTGGGTGAGGCCTCAGAGAAGCGCACACGGTTAGAAGAGGAGA  
 TAGTGGAGCGAAACAGGAAGAGGAGGCAGCGCAGGGAGTGGGAGGCCGAAGGAAAGACATCCTCTTTGA  
 CTACGAGCAGTATGAATATTATGGGACATCGTCGGCCATGGTGTGTTTGACCTGGCGTGGATGATGTCC  
 AAGGACCTGAATGACATGCTGTGGTGGGCCATTGTTGGACTGACAGACCAGTGGGTGCATACAAGATCA  
 CTCAAATGAAGTACGTGACTGATGTTGGCATCCTGCAGCGTCATGTGTCCGTCATAAACCACCGAAACGA  
 GGCGGAGGAGAACATGCTCTGTAGACTGCACCCGGATCTCCTTCGAGTATGACCTCTGCCTGGTACTG  
 TATCAGCACTGGTCCCTCCATGAAAGCCTGTACAACACCAGCTACACAGCAGCCAGGTTTAAAGCTCTGGT  
 CTGTGCATGGGCAGAAACGACTCCAGGAGTTCTTGCAGACATGGGGCTTCCCCTGAAGCAAGTCAAGCA  
 GAAATTTAGTCCATGGACGTTTCTTGAAGGGGAATCTGCGAGAAATGATTGAAGAATCTGAAATAAA  
 TTTGGGATGAAGGACATGCGTGTACAGACTTTAGCATTAGTTGGGTTCAAGCATAAAATCTCTGGCCA  
 GTGATGTGCTCTTTGCCACCATGTCTAATGGAGAGTCTGAGAAGGATGGCTCAGGACAGACCACCTT  
 CATCCAGGCTCTCGATAGCCTCTCCAGGAGTAACCTGGACAAGCTATACTTGGTCTAGAGCTCGCCAAG  
 AAGCACCTCCAAGCCACACAACAGACCATCGCCAGCTGTCTGTACCAACCTCGTCACTTCCCAGGGCC  
 CTTTTCTACTGCTCACTCATGGAGGGCACTCCAGATGTACCCTGTTTTCCAAGCCAGCATCCTTGAG  
 TCTGCTCAGCAGACATCTGCTCAAGTCTTTGTGTACTCGACAAAGAATCGACGATGCAAGCTGTGCC  
 CTGGTGTGGTGGCCGCTGAGCGTGGAAACAGGGCACAGTACCCTGGTGGGCATCCCCCAGAGACTG  
 ATAGCTCGGATAGAAAGAACTTTTTTGGTCGGGCTTTTGAAGGCAGCAGAAAGCACCAGCTCTCGGAC  
 TCTACACAATTACTTTGACCTCTCAGTAATTGAGCTGAAGGCTGAGGACCGGAGCAAGTTCTGGACGCT  
 CTTGTGCTACTGTCTCC

**ACGCGT**ACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR208941 protein sequence  
 Red=Cloning site Green=Tags(s)

MFVDFRKEFYETVHNQRVLLFVASDVALCACKILQALFQCDHVQYTLVPVSGWQELETAYLEHKEQFS  
 YFILINCGANVDLLDILQPEDSIFVCDTHRPVNVVNVYNDTQIKLLIKQEDDLEVPAYDDIFRDEAED  
 EDLSDSDGDGSEPESEKRTRLEEEIVERNRKRRQRREWEARRKDI LFDYEQY EYGTSSAMVMFDLAWMS  
 KDLNDMLWVAIVGLTDQWVHDKITQMKYVTDVIGILQRHVSRRHNRNEAEENMLSVDCTRISFEYDLCLVL  
 YQHWSLHESLYNTSYTAARFKLWSVHGQKRLQEF LADMGLPLKQVKQKFSMDVSLKGNLREMIEESANK  
 FGMKDMRVQTF SIQFGFKHKFLASDVVFATMSLME SPEKDGSGTDHF IQALDSL SRSNLDKLYLGL ELAK  
 KHLQATQQTIASCLCNLVT SQPF LYCSLM EGTDPDVT LFSKPASL SLLSRHLLKSFVYSTKNRRCKLLP  
 LVMAAPLSVEQGT VTVVGI PPETDSSDRKNFGR AFEKAAESTSSRTLHNYFDLSVIELKAEDRSKFLDA  
 LVSLLS

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

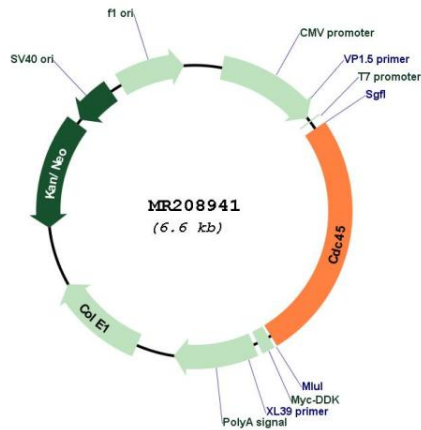
**Restriction Sites:**

SgfI-MluI



RefSeq: [NM\\_009862.2, NP\\_033992.2](#)  
 RefSeq Size: 2161 bp  
 RefSeq ORF: 1701 bp  
 Locus ID: 12544  
 UniProt ID: [Q9Z1X9](#)  
 Cytogenetics: 16 11.63 cM  
 MW: 65.4 kDa  
 Gene Summary: Required for initiation of chromosomal DNA replication.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR208941