

Product datasheet for **MR208911**

Cdc6 (NM_001025779) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | Cdc6 (NM_001025779) Mouse Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Cdc6 |
| Synonyms: | CDC18L |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



[View online »](#)

ORF Nucleotide Sequence:

>MR208911 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCCTCAAACCAGATCCGACACACAAGCTACCATCGGTTTTCCGAAAAAGAAGCTATCTAATACCTGA
 AGAAACCCAATCCCGGATTGTGAAGTAAAACCTAGAAACGTCCAGCCTGTACCCACCCTCCGTGTGT
 GGACGTAAAACCTCTGCCTCTCAGTCCCGAAAACGTCTGGGCGATGACAACCTGTGCAACACTCCCGG
 TTATCTCCCTGTTCTCCACCAAAGCTGGGCAAGAAAGAAAACGGACCCCTCGCTCACATACGTGGAAGG
 GGTGCAGATTAGTATTCGATGATGAGCCGACATTTAAGGCTTCCCCCAAAAAGAACAAGACAGAGTTCCG
 CCAACACCAGATACGTTCTCCTCCGCTCAAAGAAGTCCAGAGAGCAAAGCAGATCTGAGCAGAAATGT
 CCGCCGGAGAAGGAGTCTGTGTATAAGACTGTTCAAGCAAGAAGGCACCTTGTATCAGCAAGCCAAGC
 TCGTCTGAATACAGCTGTCCCGATCGGCTGCCTGCCAGAGAGCAGGAGATGGGTGTCATCAGGAATTT
 TCTGAAGGAGCACATCTGTGGGAAGAAAGCTGGCAGTCTCTACCTTTCTGGCGCTCTGGGACTGGAAAA
 ACTGCCTGTTTAAAGCCGATTCTGCAAGACTTCAAGAAGGAAGTAAAAGGCTTTAAATCCATCTGCCTGA
 ATTGATGTCCCTGAGGAGTGCCAGGCTGTGTTCCAGCTATTGCTCAGGAGATTGGTCCGGAGGAGCT
 GTGCAGACCAGCTGGGAAGGACTTGATGAGAAAAGTGGAAAAGCACTTGACAGCAGAGAAAGGCCCATG
 ATCGTGTGGTGTGGACGAGATGGATCAGCTGGACAGCAAAGGGCAGGATGATTATACACACTGTTTG
 AGTGGCCGTGGCTAAGCAACTCCCGATTGGTGTCTATTGGTATTGCTAATACCCTAGATCTCACGGACAG
 AATTCTGCCGAGACTTGAAGCTAGAGAAAAGTGAAGCCGAGTATTGAACTCCCACCTTATACCAGG
 AATCAGATAGCTGCCATCTGCAGGATCGACTTAGTCAGGTGTCAAAGACCAGGTTCTGGACAGTGCTG
 CGATCCAGTTCTGTGCCCGCAAAGTGTCTGCTGTTTCAGGAGACATCCGTAAGCCGCTGGATGTTTGCAG
 GCGAGCTATAGAAATTTGGGAGTCGGATGTGAGGAGCCAGACAGTCTCAAACCACTCTCCGAATGTAAA
 TCAACCAGCGAGTCGCCGTCGCCAAGCGCTTGGTCTTCTCACATATCCCAAGTCATTTCCGGAAGTTG
 ATGGGAACAGGTTGACTTTGAGCCAAGAAAACACACAGGATTCCTTCTCTCCAGCAGAAGATCTGGT
 TTGCTCTTTGCTGCTTTTGACCCGGCGCTGAAAATCAAAGAGGTACCCTGGGGAAGTTATATGAAGCC
 TACAGTAGCATCTGTGCAAAACAGCAGGTGACGGCCGTAGACCAGTCTGAGTGTGTTGCTCCCTTCAGGAC
 TCCTGGAGTCCAGGGCCTTGTGGGATTAAGAAAAATAAGGAGAGCCGCTCACCAAGGTGTCTCTGAA
 GATTGAAGAAAAGGAAATAGAGCATGCTCTGACGGCAAAGCTTTCACCGGAACATCTCGCTGCTGTT
 CTGCCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR208911 protein sequence
 Red=Cloning site Green=Tags(s)

MPQTRSQTQATIGFPPKKLSNTLKKPNSRDCEVKLRNVQPVPTTPCVDVKLLPLSPRKRLGDDNLCNTPR
 LSPCSPPKLGKKENGPPRSHTWKGCRVFDDEPTFKASPPKEQDRVRQHQIRSSAQRSPESKADPEQKC
 PPEKESVCIRLQFQEGTCYQAKLVNLTAVPDRLPAREQEMGVIRNFKLKEHICGKKAGSLYLSGAPGTGK
 TAQLSRILQDFKKEVKGFKSILLNCMSLRSAQAVFPAIAQEIGREELCRPAGKDLMRKLEKHLTAEKGP
 IVLVLDEMQLDSKQDVLVYTLFEWPWLSNSRLVLIGIANTLDLTDRLPRLEARENCKPQLLNFPYTR
 NQIAAILQDRLSQVSKDQVLDAAIQFCARKVSAVSGDIRKALDVCRRRAIEIVESDVRSQTVLKPLSECK
 SPSESPVPKRVGLAHSQVISEVDGNRVTLSENTQDSLPLQKILVCSLLLLTRRLKIKEVTLGKLYEA
 YSSICRKQVTAVDQSECLSLGLESRLVGLKKNKESRLTKVSLKIEEKEIEHVLNGKAFTGNILAAG
 LP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001025779

ORF Size: 1689 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_001025779.2](#)

RefSeq Size: 4532 bp

RefSeq ORF: 1689 bp

Locus ID: 23834

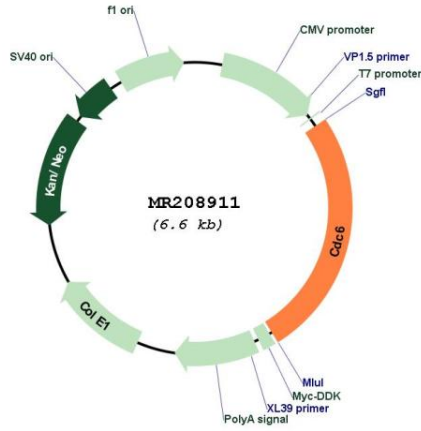
UniProt ID: [O89033](#)

Cytogenetics: 11 D

MW: 62.6 kDa

Gene Summary: Involved in the initiation of DNA replication. Also participates in checkpoint controls that ensure DNA replication is completed before mitosis is initiated.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR208911