

Product datasheet for **MC219043**

Cdc45 (NM_009862) Mouse Untagged Clone

Product data:

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



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Fully Sequenced ORF: >MC219043 representing NM_009862
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTTCTGTGACCGATTTCCGCAAGGAGTCTACGAGACGGTCCACAACCAGAGGGTCTTCTCTTTGTGG
CCTCGGACGTGGATGCCTTGTGTGCTTGAAGATCCTCCAGGCCCTGTTTCAGTGTGACCACGTCCAGTA
TACGCTGGTTCGGTTTTCTGGGTGGCAAGAACTTGAAACTGCATATCTTGAACATAAAGAGCAGTTCTCC
TATTTTCATCCTCATAAACTGTGGAGCCAACGTGGACCTGTTGGATATCCTTCAGCCTGATGAAGACAGTA
TATTTTTGTGTGTGATACCCACAGGCCAGTGAACGTTGTGAATGTGTACAATGACACTCAGATCAAATT
GCTTATTAACAAGAGGATGACCTTGAGGTTCTGCCTACGACGACATCTTTAGAGATGAAGCAGAGGAT
GAAGATCTTTCAGACAGTGACGGTATGGGTGAGGCCTCAGAGAAGCGCACACGGTTAGAAGAGGAGA
TAGTGGAGCGAAACAGGAAGAGGAGGCAGCGCAGGGAGTGGGAGGCCGAAAGAAAGACATCCTCTTTGA
CTACGAGCAGTATGAATATTATGGGACATCGTCGGCCATGGTGTGTTTGACCTGGCGTGGATGATGTCC
AAGGACCTGAATGACATGCTGTGGTGGGCCATTGTTGGACTGACAGACCAGTGGGTGCATGACAAGATCA
CTCAAATGAAGTACGTGACTGATGTTGGCATCCTGCAGCGTCATGTGTCCGTCATAAACCACCGAAACGA
GGCGGAGGAGAACATGCTCTGTAGACTGCACCCGGATCTCCTTCGAGTATGACCTCTGCCTGGTACTG
TATCAGCACTGGTCCCTCCATGAAAGCCTGTACAACACCAGCTACACAGCAGCCAGGTTTAAAGCTCTGGT
CTGTGCATGGGCAGAAACGACTCCAGGAGTTCTTGCAGACATGGGGCTTCCCCTGAAGCAAGTCAAGCA
GAAATTTTCAGTCCATGGACGTTTCTTGAAGGGGAATCTGCGAGAAATGATTGAAGAATCTGAAATAAA
TTTGGGATGAAGGACATGCGTGTACAGACTTTCAGCATTAGTTGGGTTCAAGCATAAAATCCTGGCCA
GTGATGTCGTCTTTGCCACCATGTCTCTAATGGAGAGTCTGAGAAGGATGGCTCAGGGACAGACCACTT
CATCCAGGCTCTCGATAGCCTCTCCAGGAGTAACCTGGACAAGCTATACCTTGGTCTAGAGCTCGCCAAG
AAGCACCTCCAAGCCACACAACAGACCATCGCCAGCTGTCTGTACCAACCTCGTCACTTCCCAGGGCC
CTTTTCTACTGCTCACTCATGGAGGGCACTCCAGATGTACCCTGTTTTCCAAGCCAGCATCCTTGAG
TCTGCTCAGCAGACATCTGCTCAAGTCTTTGTGTACTCGACAAAGAATCGACGATGCAAGCTGCTGCC
CTGGTATGGTGGCCGCTGAGCGTGGAAACAGGGCACAGTGACCGTGGTGGGCATCCCCCAGAGACTG
ATAGCTCGGATAGAAAGAACTTTTTTGGTCGGGCTTTTGAAGGCAGCAGAAAGCACCAGCTCTCGGAC
TCTACACAATTACTTTGACCTCTCAGTAATTGAGCTGAAGGCTGAGGACCGGAGCAAGTTCTGGACGCT
CTTGTGCTACTGTCT**GATGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja2215_c08.zip

Restriction Sites: Sgfl-Mlul

ACCN: NM_009862

Insert Size: 1701 bp

OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
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:	<ol style="list-style-type: none"> 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_009862.2 , NP_033992.2
RefSeq Size:	2161 bp
RefSeq ORF:	1701 bp
Locus ID:	12544
UniProt ID:	Q9Z1X9
Cytogenetics:	16 11.63 cM
Gene Summary:	<p>Required for initiation of chromosomal DNA replication.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) encodes the longer isoform (1). Both variants 1 and 3 encode the same protein.</p>