

Product datasheet for **MC217413**

Cdc45 (NM_001161623) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cdc45 (NM_001161623) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cdc45
Synonyms:	Cdc45l
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC217413 representing NM_001161623
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTTCTGTGACCGATTTCCGCAAGGAGTCTACGAGACGGTCCACAACCAGAGGGTCTTCTCTTTGTGG
 CCTCGGACGTGGATGCCTTGTGTGCTTGAAGATCCTCCAGGCCCTGTTTCAGTGTGACCACGTCCAGTA
 TACGCTGGTTCGGTTTTCTGGGTGGCAAGAACTTGAAACTGCATATCTTGAACATAAAGAGCAGATCAAA
 TTGCTTATTAACAAGAGGATGACCTTGAGGTTCTGCCTACGACGACATCTTTAGAGATGAAGCAGAGG
 ATGAAGATCTTTAGACAGTACGGTGTGGGTGACAGCCTTCAGAGAAGCGCACACGGTTAGAAGAGGA
 GATAGTGGAGCGAAACAGGAAGAGGAGGCAGCGAGGGAGTGGGAGGCCCGAAGGAAAGACATCCTCTTT
 GACTACGACGATGAATATTATGGGACATCGTCGGCCATGGTGTGTTTACCTGGCGTGGATGATGT
 CCAAGGACCTGAATGACATGCTGTGGTGGCCATTGTTGGACTGACAGACCAGTGGGTGCATGACAAGAT
 CACTCAAATGAAGTACGTGACTGATGTTGGCATCTGCAGCGTATGTGTCCCGTCATAACCACCGAAAC
 GAGGCGGAGGAGAACATGCTCTCTGTAGACTGCACCCGGATCTCCTTCGAGTATGACCTCTGCTGGTAC
 TGTATCAGCACTGGTCCCTCCATGAAAGCCTGTACAACACCAGCTACACAGCAGCCAGGTTAAAGCTCTG
 GTCTGTGCATGGGCAGAAACGACTCCAGGAGTTCCTTGCAGACATGGGGTTCCTTGAAGCAAGTCAAG
 CAGAAATTTAGTCCATGGACGTTTCTTGAAGGGGAATCTGCGAGAAATGATTGAAGAATCTGCAATA
 AATTTGGGATGAAGGACATGCGTGTACAGACTTTCAGCATTAGTTTGGGTTCAAGCATAAATTCCTGGC
 CAGTGTGTCGCTTTGCCACCATGTCTAATGGAGAGTCTGAGAAGGATGGCTCAGGGACAGACCAC
 TTCATCCAGGCTCTCGATAGCCTCTCCAGGAGTAACTGGACAAGCTATACTTGGTCTAGAGCTCGCCA
 AGAAGCACCTCCAAGCCACACAACAGACCATCGCCAGTGTCTCTGTACCAACCTCGTCACTTCCAGGG
 CCCTTTTCTACTGCTCACTCATGGAGGGCACTCCAGATGTACCCTGTTTTCCAAGCCAGCATCCTTG
 AGTCTGCTCAGCAGACATCTGCTCAAGTCTTTGTGACTCGACAAGAATCGACGATGCAAGTCTGCTGC
 CCCTGGTGTGGTGCCTCGCTGAGCGTGGAAACAGGGCACAGTACCCTGGTGGGATCCCCCAGAGAC
 TGATAGCTCGGATAGAAAGAACTTTTTGGTGGGCTTTTGAAGAAGCAGCAGAAAGCACCAGCTCTCGG
 ACTCTACACAATTACTTTGACCTCTCAGTAATTGAGCTGAAGGCTGAGGACCGGAGCAAGTTCCTGGACG
 CTCTTGTGCTACTGCTGTCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_001161623

Insert Size: 1563 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_001161623.1](#), [NP_001155095.1](#)

RefSeq Size: 1784 bp

RefSeq ORF: 1563 bp

Locus ID: 12544

Cytogenetics: 16 11.63 cM

Gene Summary: Required for initiation of chromosomal DNA replication.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (2) lacks an in-frame exon in the 5' coding region, compared to variant 1. This results in a shorter protein (isoform 2), compared to isoform 1. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.