

Product datasheet for **MC204087**

Cdc5l (NM_152810) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cdc5l (NM_152810) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cdc5l
Synonyms:	1200002I02Rik; AA408004; PCDC5RP
Vector:	<u>PCMV6-Kan/Neo</u>
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >BC031480
 CTGCGCGACACGTCGGGCGCCTTGGCACCTGCGGTTTGATTAGTCTCCATCAGTCTTAAGGTTGCAGC
 CCGGCCGCCCCGCTTTTTGCCTTCGGCCGCTAAGATCTCGCGAGATTTCCCGGGGCTGCCACGCCGCG
 CCTGCGCAGAGCTCTTCAAAGCAGAAGGTGCGCTTTGGGAGGAAGTGGCCTTTTGCCTCCCGTCCCCGGA
 GCGCCGTTACTACTTTCTCGAAGCTCTCCTCGGCTCCCTTGCCGGGACTCTGCCGCTAAGATGCCCGG
 GATTATGATCAAAGGGGGAGTGTGGAGGAACACGGAGGATGAAATCTGAAAGCAGCGGTAAATGAAATAT
 GGGAAAAACCAAGTGGTCTAGGATTGCCTCATTGCTGCATAGGAAATCGGCAAAGCAGTGCAAAGCCAGAT
 GGTACGAATGGCTGGATCCAAGTATTAATAAAAACTGAATGGTCCAGAGAAGAGAAATACTTTGCA
 CCTGGCCAAGCTGATGCCAACGCAGTGGAGGACCATTGCTCCGATCATAGGAAGAACAGCAGCCAGTGC
 TTGGAACACTATGAGTTCCTCCTGGACAAAAGTCCCAAAGGGACAATGAAGAAGAAACAACAGATGACC
 CCCGAAAGCTTAAGCCTGGAGAGATAGATCCAAACCCAGAGACCAAGCCAGCCCGGCTGACCCGATAGA
 CATGGATGAGGATGAACTTGAGATGCTCTCCGAGGCTCGAGCCGCTTGCCCAATACTCAAGGAAAGAAG
 GCTAAAAGGAAAGCAAGAGAAAAGCAGTTGGAAGAAGCCAGGCGCCTTGTGCCCTCCAGAAAAGACGAG
 AGCTTCGAGCAGCTGGCAGATAGAGATTGAGAAGAAAAGGAAAAAGAGAGGCGTTGATTATAATGCTGA
 AATCCCATTTGAAAAAAGCCTGCTCTTGGTTTTATGATACTTCTGAGGAGAATTACCAGGCCCTTGAT
 GCAGATTTGAGGAACTGCGGCAGCAGGATCTTATGAGAGGCTAAGATCTGAAAAAGAAGGAGAGATA
 GGAAAAAGACAAAACAGCATTTAAAAAGGAAAAAGGAGTCTGATTTACCATCAGCTATCCTCCAAACAG
 TGGTGTCTCTGAGTTCATAAAAAGAGAAGCAAATTTGTGTTGCCTGCGCCTCAGATTTGAGATGCTGAA
 CTCCAGGAAGTTGTAAGGTAGGCCAGGCCAGTGAAGTCGCACGGCAGACGGCGGAGGAGTCAAGAAATA
 CAAACTCTGCTTCTAGCACTCTCCTGTCTGAGTACAATGTACAAAACAACAGCATCGCTCTGAGAACACC
 ACGGACACCAGCCTCTCAAGACAGGATTCTACAGGAAGCTCAGAACCTCATGGCCTTGACCAATGTGGAC
 ACTCCATTGAAAGGTGGGCTTAATACCCCACTGCATGAGAGTACTTCTGTTGTGACCCACAGCGGC
 AAGTTGTGCAGACTCAAATACAGTTCTGTCTACCCCTTTCAGGACTCCTTCTAATGGAGCTGAAGGGCT
 GACTCCCCGAAAGTGGAACTCCTAAACCACTACTAATGCCACCCAGGTAGAACCACCTTAGAGAC
 AAGTTAAACATTAATCCAGAGGATGGAATGGCAGACTACAGTACCCCTTACGTGAAGCAGATGGAAA
 GAGAATCTCGTGAACATCTCCGTTTAGGTTGTTAGGCCTCCCCGCACCTAAGAATGATTTTGAATTTGT
 TCTGCCTGAAAATGCCGAGAAGGAACTAGAAGAAGTGAATAGATGATACCTACATTGAAGATGCTGCT
 GATGTGGATGCTGAAAGCAGGCCATCCGAGATGCTGAGCGTGTAAAGGAAATGAAACGAATGCATAAAG
 CCGTTGAGAAAGGATCTGCCAGGCCGCTGAAGTAAATGAACTATTTTAAAGACCTTAAATGTAGAACC
 ACCTCTAACAGATTTACAGAAGAGTGAAGAAGTATCAAAAAAGAAATGATTACGATGCTTCATTATGAT
 CTTCTACATCATCCCTACGAACCTCTGGAATAAAAAAGGAAAAATGTTGGGTTTGTACCAACAAAT
 CAGAGCACATTACCTATCTTGAAGCAGCCCTTATGAGAAGTTCTCCAAAGAAAGTCTGAAAAAGGCCCA
 GGATGCTCTGGTACAAGAGATGGAAGTGGTCAAACAAGGAATGAGCCATGGCGAACTCTCCAGTGAAGCT
 TACAACCAGGTGTGGGAGGAATGCTACAGTCAAGTCCCTCTATCTTCTGCTCAGAGCCGCTACACTCGTG
 CTAATCTTGTAGCAAAAAGGACAGAAATGAATCACTTGAAGAGAGACTTGAGATAAACAGGGGTACAT
 GACAACAGAAGCCAAGAGAGCTGCAAGATGGAAGAAGATGAAGATTTTGGTGGTTACCAGTCT
 CGTGCTATGGGGCTCATGAAGCAGTTGAATGACTTATGGGACCAGATTGAGCAGGCTCACTTGGAGCTAC
 GCACTTTTGAAGAACTCAAGAAACATGAAGACTCTGCTATTTCCCGTAGGCTAGAGTGTCTAAAAGAAGA
 TGTGCAGCGGCAACAGGAACGAGAGAAAGAGCTTCAGCAGAGATACGCGGATTTGCTGATGGAGAAAGAG
 ACTTTACAGGCAAGTTCTGAAGCACAGTGGATGCTCTGCCACAGGAGATCGAGTTGCTGGTTTCTACT
 CAGCAAGGCTGAACTGAGCTTCCCTTCTTATTGACAAGTTACCCAGCACCGTGGTTTCTCAGTTGTTTGT
 TTGAATGATACTGATCTTTGCGTTCGTTTATAGACTTGGACTCCAGGATAATGAGGGTTAAATTATC
 CAGATGCTCATTCTTTGCCAGTGCATATTTACAAAATTTCTAGCTTAGGCCTTAATTTAAAAAGCCT
 GACTTTAAATACTGCCTGTGAGTAAACCCTTGAATAAAAAAGAACATGTGAAAAAAGAAAAA

Restriction Sites: RsrII-NotI
ACCN: NM_152810
Insert Size: 2409 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:	<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:	BC031480 , AAH31480
RefSeq Size:	3005 bp
RefSeq ORF:	2409 bp
Locus ID:	71702
UniProt ID:	Q6A068
Cytogenetics:	17 B3
Gene Summary:	DNA-binding protein involved in cell cycle control. May act as a transcription activator. Plays role in pre-mRNA splicing as core component of precatalytic, catalytic and postcatalytic spliceosomal complexes. Component of the PRP19-CDC5L complex that forms an integral part of the spliceosome and is required for activating pre-mRNA splicing. The PRP19-CDC5L complex may also play a role in the response to DNA damage (DDR).[UniProtKB/Swiss-Prot Function]