

Product datasheet for **MC205616**

Cdca7l (NM_146040) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cdca7l (NM_146040) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cdca7l
Synonyms:	BC006933; JPO2
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC006933
 CGCTGCGTGCTCGGGGCCGCGCCAGCCCGGGTGGCCCGCTGCAGGGCTCAGGGAAGTGAGCCCAGCAGGG
 AAGATGGAGCTGGCCACGCGCTCCCAGATCCCCAAAGAAGTAGCTGACATCTTCAGTGCTCCCAGTGACG
 ATGAAGAGTTTGTGGGTTCCAGGATGATGTTCCCATGCAAAACCTGTGACAGAGCTGTGGTAGTTTGG
 CTCACGGGAGTTGGAGAAACAGCAGAATGTGTGCTTCCGTTCAAATACTTACAGAAGAAGTAAAGAGG
 ATTTTCAAAGAGGACACGACTCAGAAATGGAAGATTTTGAAGGATTTACAGAGAGCGAGCTGAACATGA
 GCAGTAACCCAGAGCTCATGGAGTCGGAGCTGAGTGACAGTGACAAAGCATACCCCTGTGATGAATGATGC
 GGAGGAAGATGATGAAGAGGAGGCTGCACCTAGAAGGGGCAAGTCCACAAGAAGAAGCAGTTTCGGTCTT
 CCGGTAGCCTTTTCAAGTCCCAACAAAAAATTGGCAAGAACACCCAGATAAAGATAGCTCACACTTGTCTGG
 ACAGTAAGACGGATCTTAGAAGAAAGAAGACTCCAGACAGCCCAAGGAAAGGAGGACTGTCTTCTGA
 TGCCGAGGATGAGTCCAGAGCTGAGAGCCAAGAGAATTCGGATGCTCTGTGAAAAGGGCCATGAACATC
 AAAGAGAACAAGGCTATGCTTGCTCAGTTGTTGGCGGAATTGAATTCGGTGCCAGATTTCTTCCCTGTTT
 GGACACCACCTTCGGCTTCTAGGAGGCGAACACCACGACGGGCTTCTCAGAGGGACAGATCACACGGCG
 CATGAACCAACCCGGAGTGCACGACCCCTGAAAAGTTTGTCTGGAGAAGTTCACCTTCTCAGCCACC
 AAGCTTACTGAAGAGCTTACAGTTTTCAGAAGAAGAAAGACAATCAGTGGGGGAAATGCCAGACGTATA
 GACGTCATCGGATATCTTCTTCCGCTCAGTGAAGACATCACTGAGGAAGACTTGGAAAACATTGCCAT
 AACTGTGCGTGATAAAGTCTATGATAAAGTGTGGTAACACGTGCCATCAGTGCCGGCAGAAAGACCATC
 GATACCAAGACGGTCTGTGCGAACCCAGAGCTGTGGTGGTGTGCGGGGACAGTTTCTGTGGGCCCTGCCTGC
 GGAATCGCTATGGGGAGGATGTGCGGACAGCGTTGCTGGATCCGAAGTGGACATGTCTCCCTGCCGTGG
 CATCTGCAATTGCAGTTACTGCCGAGGCGAGATGGCCGCTGTGCTACTGGAATTCTCATTATCTGGCC
 AAGTTCTACGGTTATGATAATGTCAAGGAGTACCTGGAGAGCTTACAGAAGCAGCTGTAGAAGACAGTGC
 AGAGGAGAGGGATCGCTCGAAGTAAACAGGCGGAGTCCCACGAGACGAGTCTGCTTTTGTGCCAGCCT
 TAGACGCTTGTCTAGAAATTTACTGGTCTACTGCTATTGTTTCTTAAAAGATGTTTATGCTTAAA
 AAGGTTTTCTCAGGAAATATAGTAAAGCAGAGAAAATCTGTATCCATACCTGCATAGACCTGTATTGTGACA
 AGTGTCTGCTGAAGAGTTAAAAGCACAGTTTGTGAGTGGGGCAGAGTTAATGCTCAGGTAAGTTATAAGAA
 GACCTTGTCTGACAGCTCTGCCTTTGATACTCAGTTCCCCACGGTCACTCCCTTCTGCAGAGGCTGT
 TGCTTTGCCTCCTGAGTGACCATAGCTCAAACCTGATAGTTTATCCTGCTCTGGATATTAATTTCTGGGT
 CATTAGGAATTTATATTGAAGAATGTTACTCTAAACTACCAAGTGAATTAACCACACACTGTGAGTAAG
 GTGTCCTTTTTATTAAGAGACAATAGAAACAGACACTGGAGGCCCTCACTGTGCTTGCTTCTCCTCAGG
 ACCTGCCTGGAGCCTGTGCTTCTATTTTTTAAAAAATTTTTATAGATTATGCTTTTTATAGAACA
 CACTACTGATTGTTTCCAAGTCTTAGGGATACAAGATAAGCCATGGTGTGTTTGAATGGGTGTTGGGGAA
 GCTAAAATCAATAAGTATTCATCCCTTATAGGTGTGTAGTGTGTTGGTCCCTGTGTACTGTGATTACTCGC
 CCTCTCAAAGAATAATTCTTAACAAAAGAATGTATACCCTGTTACTAAAACATCCTTGTGTGTCTG
 GCTGAAGCTGGAGGGACGTGAGCTGTAACCAAGGCCGTTTATGCTTCCAGCAGTAGAGCCACACCTGC
 CAGTACCACTTAGTATCCTGTCTTGTCTTAGCCTGAACGTCCACACGTAGGTGGGGCCTCTCGCT
 TTGGTTTTGTAACAGGGCACTCGTAGGCATGCTTAATTTCTTGTCTGTCCACGGGCACGGCTTTGGCAA
 AGATGACGGGCATCATGGACGTTAACTCCTTAAGGCGGCATCAACAAGGGCTCCTGACTGGATGTCCCA
 CCTGGCACCTGTGGCAGAGACAACAGTTGTGTAAGTGGCATGCGGGTCTGATGCTTAAATTGTCCAT
 GCAATAAATGTTCCACTTTGAAAAAAAAAAAAAAAAA

- Restriction Sites:** RsrII-NotI
- ACCN:** NM_146040
- Insert Size:** 1317 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: [BC006933](#), [AAH06933](#)

RefSeq Size: 2626 bp

RefSeq ORF: 1317 bp

Locus ID: 217946

UniProt ID: [Q922M5](#)

Cytogenetics: 12 F2

Gene Summary: Plays a role in transcriptional regulation as a repressor that inhibits monoamine oxidase A (MAOA) activity and gene expression by binding to the promoter. Plays an important oncogenic role in mediating the full transforming effect of MYC in medulloblastoma cells (By similarity). Involved in apoptotic signaling pathways; May act downstream of P38-kinase and BCL-2, but upstream of CASP3/caspase-3 as well as CCND1/cyclin D1 and E2F1. [UniProtKB/Swiss-Prot Function]