OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MR206981

Cdca7l (NM_146040) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	Cdca7l
Synonyms:	BC006933; JPO2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

View online »

ORF Nucleotide Sequence:

>MR206981 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAGCTGGCCACGCGCTCCCAGATCCCCAAAGAAGTAGCTGACATCTTCAGTGCTCCCAGTGACGATG
AAGAGTTTGTGGGTTTCCAGGATGATGTTCCCATGCAAAACCTGTCAGAGAGCTGTGGTAGTTTGGACTC
ACGGGAGTTGGAGAAACAGCAGAATGTGTGCTTCCGTTCCAAATACTTCACAGAAGAACTAAGAAGGATT
TTCAAAGAGGACACGGACTCAGAAATGGAAGATTTTGAAGGATTTACAGAGAGCGAGCTGAACATGAGCA
GTAACCCAGAGCTCATGGAGTCGGAGCTGAGTGACAGTGACAAAGCATACCCTGTGATGAATGATGCGGA
GGAAGATGATGAAGAGGAGGCTGCACCTAGAAGGGGCAGGTCCACAAGAAGAAGCAGTTTCGGTCTTCGG
GTAGCCTTTCAGTTCCCCACCAAAAAATTGGCAAGAACACCAGATAAAGATAGCTCACACTTGCTGGACA
GTAAGACGGATCTTAGAAGAAAGAAGAGCTCCAGACAGCCCAAGGGAAAGGAGGACTCTGCTTCTGATGC
CGAGGATGAGTCCAGAGCTGAGAGCCAAGAGAATTCGGATGCTCTGCTGAAAAGGGCCATGAACATCAAA
GAGAACAAGGCTATGCTTGCTCAGTTGTTGGCGGAATTGAATTCGGTGCCAGATTTCTTCCCTGTTCGGA
CACCACCTTCGGCTTCTAGGAGGCGAACACCACGACGGGCCTTCTCAGAGGGACAGATCACACGGCGCAT
GAACCCAACCCGGAGTGCACGACCCCCTGAAAAGTTTGCTCTGGAGAACTTCACCTTCTCAGCCACCAAG
CTTACTGAAGAGCTTTACAGTTTCAGAAGAAGAAAGACAATCAGTGGGGGGAAATGCCAGACGTATAGAC
GTCATCGGATATCTTCTTTCCGCTCAGTGAAAGACATCACTGAGGAAGACTTGGAAAACATTGCCATAAC
TGTGCGTGATAAAGTCTATGATAAAGTGCTTGGTAACACGTGCCATCAGTGCCGGCAGAAGACCATCGAT
ACCAAGACGGTCTGTCGGAACCAGAGCTGTGGTGGTGTGCGGGGACAGTTCTGTGGGCCCTGCCTGCGGA
ATCGCTATGGGGAGGATGTGCGGACAGCGTTGCTGGATCCGAAGTGGACATGTCCTCCCTGCCGTGGCAT
CTGCAATTGCAGTTACTGCCGGAGGCGAGATGGCCGCTGTGCTACTGGAATTCTCATTCATCTGGCCAAG
TTCTACGGTTATGATAATGTCAAGGAGTACCTGGAGAGCTTACAGAAGCAGCTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

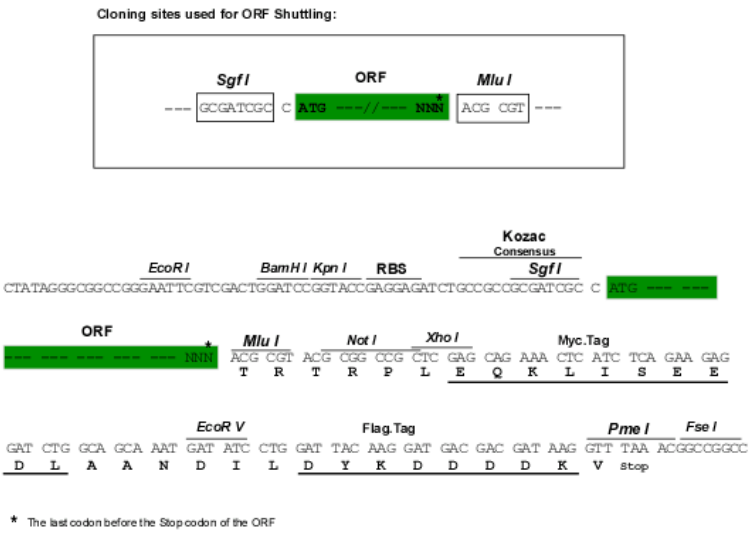
>MR206981 protein sequence
Red=Cloning site Green=Tags(s)

MELATRSQIPKEVADIFSAPSDDEEFVGFQDDVPMQNLSESCGSLDSRELEKQQNVCFRSKYFTEELRRI
FKEDTDSEMEDFEGFTESELNMSSNPELMESELSDSDKAYPVMNDAEEDDEEEAAPRRGRSTRRSSFGLR
VAFQFPTKKLARTPDKDSSHLLDSKTDLRRKKSSRQPKGKEDSASDAEDESRAESQENSDALLKRAMNIK
ENKAMLAQLLAELNSVPDFFPVRTPPSASRRRTPRRAFSEGQITRRMNPTRSARPPEKFALENFTFSATK
LTEELYSFRRRKTISGGKCQTYRRHRISSFRSVKDITEEDLENIAITVRDKVYDKVLGNTCHQCRQKTID
TKTVCRNQSCGGVRGQFCGPCLRNRYGEDVRTALLDPKWTCPPCRGICNCSYCRRRDGRCATGILIHLAK
FYGYDNVKEYLESLQKQL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_146040

ORF Size: 1314 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: NM_146040.1, NP_666152.1

RefSeq Size: 2626 bp

RefSeq ORF: 1317 bp

Locus ID: 217946

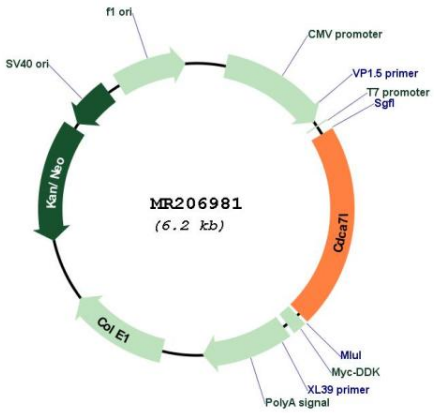
UniProt ID: Q922M5

Cytogenetics: 12 F2

MW: 50.2 kDa

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]

Product images:



Circular map for MR206981