

Product datasheet for **RG206393**

CDCA7 (NM_145810) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	CDCA7
Synonyms:	ICF3; JPO1
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG206393 representing NM_145810
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGACGCTCGCCGCTGCCGAGAAAGATCTCAGAGTAAAGAAGAACTTAAAGAAATTCAGATATGTGA
AGTTGATTTCCATGAAACCTCGTCATCCTCTGATGACAGTTGTGACAGCTTTGCTTCTGATAATTTTGC
AAACACGAGGCTGCAGTCAGTTCGGAAGGCTGTAGGACCCGAGCCAGTCAGGCACTCTGGACCTCTC
AGGGTGGCGATGAAGTTCCAGCGCGGAGTACCAGGGAGCAACCAACAAAAAGCAGAGTCCCGCCAGC
CCTCAGAGAATTCTGTGACTGATTCCAACCTCCGATTGAGAAGTGAAGTGAATTTTGGAGAA
AAGGGCTTTAAATATAAGCAAAACAAAGCAATGCTTGCAAACTCATGTCTGAATTAGAAAGCTTCCCT
GGCTCGTTCGTTGGAAGACATCCCCTCCAGGCTCCGACTCACAATCAAGGAGACCGCAAGGCGTACAT
TCCCGGTGTTGCTTCCAGGAGAAACCTGAACGAGAGCTCGTCTCTTACCAGGTCAAGGTCCCGGAT
CCTCGGGTCCCTTGACGCTCTACCCATGGAGGAGGAGGAGGAAGAGGATAAGTACATGTTGGTGAGAAAG
AGGAAGACCGTGGATGGCTACATGAATGAAGTACCTGCCAGAAGCCGTCGCTCCAGATCATCCGTGA
CCCTTCCGCATATAATTCGCCAGTGAAGAAATTACAGAGGAGGAGTTGGAGAACGTCTGCAGCAATTC
TCGAGAGAAGATATATAACCGTTCAGTGGGCTCTACTTGTCATCAATGCCGTCAGAAGACTATTGATACC
AAAACAACTGCAGAAACCCAGAGTCTGGGGCGTTGAGGCCAGTTCTGTGGCCCTGCCTTCGAAACC
GTTATGGTGAAGAGGTGAGGATGCTGCTGGATCCGAACTGGCATTGCCCGCTTGTGAGGAATCTG
CAACTGCAGTTTCTGCCGCGAGGAGTGGACGGTGTGCGACTGGGGTCTTGTGATTTAGCCAAATAT
CATGGCTTTGGGAATGTGCATGCCTACTTGAAGCCGAAACAGGAATTTGAATGCAAGCA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence:

>RG206393 representing NM_145810

Red=Cloning site Green=Tags(s)

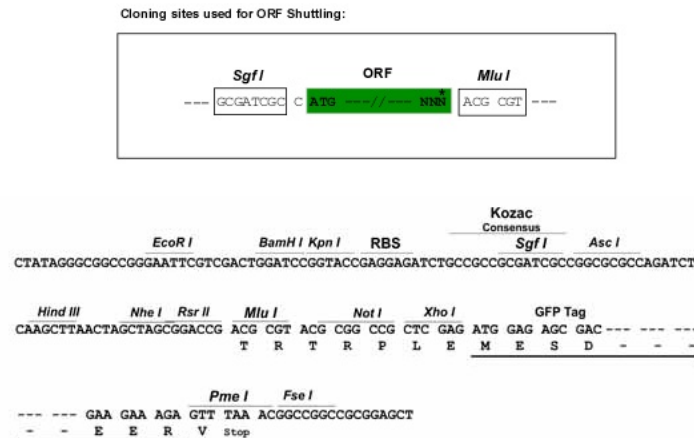
MDARRVPQKDLRVKKNLKKFRYVKLISMETSSSSDDSCDSFASDNFANTRLQSVREGCRTRSQCRRHSGPL
RVAMKFPARSTRGATNKAESRQPSSENSVTDNSDSEDESGMNFLEKRALNIKQNKAMLAKLMSELESFP
GSFRGRHPLPGSDSQSRPRRRTFPGVASRRNPERRARPLTRSRRLGSLDALPMEEEEDKYMLVRK
RKTVDGYMNEDDLPRRRSRSSVTLPHIIRPVEEITEELENVCSNSREKIYNRSLGSTCHQCRQKTIDT
KTNCRNPDGCGVRQFCGPCLRNRYGEEVRDALLDPNWHCPPCRGICNCSFCRQRDGRCATGVLVYLAKY
HGFGNVHAYLKSLLKQEFEMQA

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

NM_145810

ORF Size:

1113 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_145810.3](#)

RefSeq Size: 2602 bp

RefSeq ORF: 1116 bp

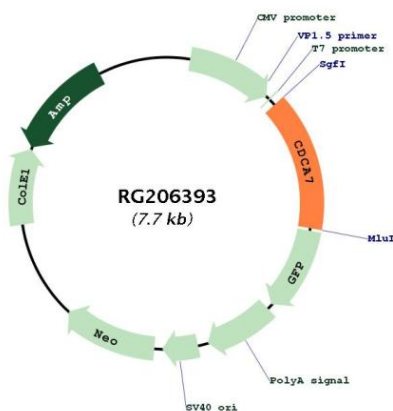
Locus ID: 83879

UniProt ID: [Q9BWT1](#)

Cytogenetics: 2q31.1

Gene Summary: This gene was identified as a c-Myc responsive gene, and behaves as a direct c-Myc target gene. Overexpression of this gene is found to enhance the transformation of lymphoblastoid cells, and it complements a transformation-defective Myc Box II mutant, suggesting its involvement in c-Myc-mediated cell transformation. Two alternatively spliced transcript variants encoding distinct isoforms have been reported. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG206393