

Product datasheet for **SC110677**

CDCA7 (NM_145810) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CDCA7 (NM_145810) Human Untagged Clone
Tag:	Tag Free
Symbol:	CDCA7
Synonyms:	ICF3; JPO1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC110677 sequence for NM_145810 edited (data generated by NextGen Sequencing)

```

ATGGACGCTCGCCGCGTGCCGCAGAAAGATCTCAGAGTAAAGAAGAACTTAAAGAAATTC
AGATATGTGAAGTTGATTTCCATGGAAACCTCGTCATCCTCTGATGACAGTTGTGACAGC
TTTGCTTCTGATAATTTTGCAAACACGAGGCTGCAGTTCAGTTCGGGAAGGCTGTAGGACC
CGCAGCCAGTGCAGGCACTCTGGACCTCTCAGGGTGGCGATGAAGTTTCCAGCGCGGAGT
ACCAGGGGAGCAACCAACAAAAAGCAGAGTCCCAGCCAGCCCTCAGAGAATTCTGTGACT
GATTCCAACCTCCGATTGAGAAGATGAAAGTGAATGAATTTTTTGGAGAAAAGGGCTTTA
AATATAAAGCAAAACAAAGCAATGCTTGCAAAACTCATGTCTGAATTAGAAAGCTTCCCT
GGCTCGTTCGGTGAAGACATCCCCTCCAGGCTCCGACTCACAATCAAGGAGACCGCGA
AGGCGTACATTCCCGGTGTTGCTTCCAGGAGAAACCCTGAACGGAGAGCTCGTCTCTT
ACCAGGTCAAGGTCCCGATCCTCGGGTCCCTTGACGCTTACCCATGGAGGAGGAGGAG
GAAGAGGATAAGTACATGTTGGTGAGAAAGAGGAAGACCGTGGATGGCTACATGAATGAA
GATGACCTGCCAGAAAGCCGTCGCTCCAGATCATCCGTGACCCTTCCGCATATAATTTCGC
CCAGTGAAGAAATTACAGAGGAGGAGTTGGAGAACGTCTGCAGCAATTCTCGAGAGAAG
ATATATAACCGTTCACTGGGCTCTACTTGTCAATGCCGTGAGAACTATTGATAACC
AAAACAACTGCAGAAACCCAGACTGCTGGGCGTTTCGAGGCCAGTTCTGTGGCCCTGC
CTTCGAAACCGTTATGGTGAAGAGGTCAGGGATGCTCTGCTGGATCCGAACTGGCATTGC
CCGCCTTGTGAGGAATCTGCAACTGCAGTTTCTGCCGGCAGCGAGATGGACGGTGTGCG
ACTGGGGTCCCTTGTGATTTAGCCAAATATCATGGCTTTGGGAATGTGCATGCCTACTTG
AAAAGCCTGAAACAGGAATTTGAAATGCAAGCATAA

```

Clone variation with respect to NM_145810.2



[View online »](#)

5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_145810 unedited</p> <pre> NTTGTGCAAAATTTGTATACGACTCCTATAGGGCGGCCGCAATTCGCACGAGGGCTGACC GCGCGGCTGTCCGCTCTCCCGCTCCAAGCGCCGATCTGGGCACCCGCCACCAGCATGG ACGCTCGCCGCTGCCGAGAAAGATCTCAGAGTAAAGAAGAAGTAAAGAAATTCAGAT ATGTGAAGTTGATTTCCATGGAACCTCGTCATCCTCTGATGACAGTTGTGACAGCTTTG CTTCTGATAATTTTGCAAACACGAGGCTGCAGTCAGTTCGGGAAGGCTGTAGGACCCGCA GCCAGTGCAGGCACTCTGGACCTCTCAGGGTGGCGATGAAGTTCCAGCGCGGAGTACCA GGGAGCAACCAACAAAAAGCAGAGTCCCGCCAGCCCTCAGAGAATTCTGTGACTGATT CCAACCTCCGATTGAGAAGATGAAAGTGGAAATGAATTTTTTTGGAGAAAAGGCTTTAAATA TAAAGCAAAACAAAGCAATGCTTGCAAACTCATGTCTGAATTAGAAAAGTTCCCTGGCT CGTTCCGTGGAAGACATCCCCTCCAGGCTCCGACTCACAATCAAGGAGACCGCGAAGGC GTACATTTCCGGGTGTTGCTTCCAGGAGAAACCCTGAACGGAGAGCTCGTCTTACCA GGTCAAGTCCCAGTCCCTCGGGTCCCTTGACGCTCTACCCATGGAGGAGGAGGAGGAAG AGGATAAGTACATGTTGGTGAGAAAGAGGAAGACCGTGGATGGCTACATGAATGAAGATG ACCTGCCAGAAGCCGCTCGCTCCAGATCATCCGTGACCTTTCCGCATATAATTCGCCAG TGGGAAGAAATACAGAGNAGAGTTGGAGAACGCTGCAGCATTNCTCGAGAGAAGAATT </pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_145810 unedited</p> <pre> TCTATGGACCGCGGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTT TTTTTTTTTTTTTTTTTAAACAAACATTTTATTATTAATAAACTTTTGTATAAAAGCA TTACAGATCAAAAGCTGATTTACACTTATCGATTCAAGGGCCAATTATGCATCAAACAT TGAATGGCACAGCAATGGTTTACATATGCAAGTAAATTGGACATACAAACACTTAAATTC CACCTTTACCAAATACCTTGATTAATGCAAAGAGGAGGGGAATACTGACACAGGAAACC TGCCCAAAACTAAACTGGCAAAATGTGAGGTTAACAACTGCTAAAAGTTACATCTCC AAAAAGGCACTTATCATTGTTATAAAAAGGCTTAAAATCTAAACTTGAACCTTGGGCCTG GTTTATAAATTTACAAGAACTGCAAAGAACCACAGACTAGTTTTTAATACCAAGTTTCC ACTACAAAATGTCCAAAATTTATTTGCAATACCTTACATGGGAACTGAAATAAACTTT GCAAACTACAATTATACTAAAGTTTTATACCGAAAATTCAAATCACCTTACTCATAATCT CCAAATAGCTCTCCATCATTATTTAATTAAGTATTACATTGCCACCAACCTTTGAAT TATGATTGGGTAAGCCGGACGCACCACTTACCCTTTGGCCGAAGAAATAGGAGAAAT AAGTCTCAACTGTGACAACAACCTGTAACATCACCCGCAAAACATCGGCATTGAGAGACA TCAATCTGCCATATCACCTAATCTTTCCCATGGCTTTAAGACCTTTGGCGCCTTGACT CTTATAACAATATTACCTAGCAGGAACGCCTAAACCTACCCGTTTTTTGGGAAACAAGC TAAAAAGCCCTCTCTGAAATCCAACAGACCAGTTCGCTAACCTATTATTGCGTTCCACG GCTTAGCGTTAAAGGGCTCTCCACCCCC </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_145810
Insert Size:	2550 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_145810.1](#), [NP_665809.1](#)

RefSeq Size: 2587 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]
Transcript Variant: This variant (2) lacks an in-frame coding segment compared to variant 1. The resulting isoform (2) lacks an internal region, as compared to isoform 1.