

Product datasheet for **SC122393**

CDT1 (NM_030928) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CDT1 (NM_030928) Human Untagged Clone
Tag:	Tag Free
Symbol:	CDT1
Synonyms:	DUP; RIS2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

>OriGene sequence for NM_030928 edited
 CTCCGCCGCATGGAGCAGCGCCGCTACCGACTTCTTCGCGCGCCGCCGCCCGGGCC
 CCCCCGCATCGCGCCGCCAAGCTGGCCTGCCGACCCCCAGCCCCGCCAGGCCGCACT
 CCGCGCCCCGGCTCCGCTACAGTGGCAGCCGAAGCGCGCCCGCCCGCCCGCCCGCC
 CGGACGCGACCAGGCCAGGCCACCGCCCGCAGGAGACTGCGGCTGTGCGTGACGAGGT
 TTCCAGCCCCAGTACCCCGAGGCCAGACATCCCAGCCTGCCCTTCTCCGGCCAGAA
 GATAAAGAAATCCACCCGCGCAGCAGTCCAGCCGCCACCTGACATCCGCGCAGGACCA
 GGACACCATCTGAGCTTGCCTCATGCCTGCAACGGGCCCGGAGCTGGGGCAAGAGT
 CCGGGCGCTGAAGGCCAGTGCCAGGATGCTGGGAGTCTGCACCCAGAGGCCAGGG
 CCGCCTGAGGAGCCATGTGGCGAGAAGGCGCCCGCTACCAGCGCTTCCATGCCCTGGC
 CCAGCCCCGCTGCCGGACTCGTGTGCCCTACAAGTACCAGGTGCTGGCGGAGATGTT
 CCGCAGCATGGACACCATCGTGGCATGCTCCACAACCGCTCCGAGACGCCACCTTTGC
 CAAGTCCAGCGGGCGTCCAGGACATGATGCGTAGGCGTTTTGAGGAGCGCAATGTTGG
 CCAGATCAAACCGTGTACCCGGCTCCTACCGCTTCCGCCAGGAGCGCAGTGTCCAC
 CTTCAAGGATGGCACCAGGAGTACAGTACCAGCTCACCATCGAGCCACTGCTGGAGCA
 GGAGGCTGACGGAGCAGCCCCAGCTCAGGCCCTCGCGCTCCTGCAGCGACGGCAGAT
 CTTAGCCAGAAGCTGGTGGAGCATGTCAAGGAGCACCACAAGGCCTTCTCGCCTCCCT
 GAGCCCCGCCATGGTGGTGCCGGAGGACCAGCTGACCCGCTGGCACCCGCGCTTCAACGT
 GGATGAAGTACCCGACATCGAGCCGGCCGCGCTGCCCCAGCCACCCGCCACGGAGAAGCT
 CACCACTGCTCAGGAGGTGCTGGCCCGGCCGCAACCTGATTTACCCAGGATGGAGAA
 GGCCTTAGTCAATTGGCCCTGCGCTCTGCTGCGCCAGCAGCCCCGGTCTCCAGGCC
 AGCACTGCCGGTACCCACCAGCCACCCGCTGCAGCCTCTCCAGTGTCTGAAGGG
 GGTGTCCAGGATCTGCTGGAGCGGATCCGAGCCAAGGAGGACAGAAGCAGTGGCACA
 GATGACGCGGTGCCGGAGCAGGAGCAGCGCTGCAGCGCTTAGAACGGCTGCCTGAGCT
 GGCCCGCTGCTGCGGAGCGTCTTTGTGTCGAACGCAAGCCTGCGCTCAGCATGGAGGT
 GGCTGTGCCAGGATGGTGGCAGCTGTTGACTATCATGAGCCCTGGGAAATGGAGAA
 GCACCTGCTGCTCCTCTCCGAGCTGCTGCCGGACTGGCTCAGCCTCCACCCGATCCGCAC
 CGACACCTACGTCAAGCTGGACAAGGCCGCGGACTCGCCACATCACTGCACGCTGGC
 CCACCAGACAGTGTGAGGAGGGGCTGTGAGCCTGGGGCCACTGTGGACAGAGTGGG
 CTTCAGAAAGCTCGCTGGCCTGGGCCACCAGCATTTTCTTTTATGAACATGATACACTTT
 GGCCTTCTTTCCCGAGCCCTGAGGGCCAGAGGCAGATGTGGGCTGCAGGCTGCACA
 GCCCGAGGGTCTCTGGCTGCGGGCGGTGGGCCCTTCATGGGGCTCACCTGGTGGATTCA
 CATTAAACCGGTTTCTGTGGCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
 AAAAAAAAAA

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_030928 unedited
 NGGAATGCGGTTCAATTTGTATACGACTCATATAGGCGGCCGNAATTCGCACGAG
 GCTCCGCCGCCATGGAGCAGCGCCGCTACCGACTTCTTCGCGCGCCGCCCGCCGGGC
 CCCCCGCATCGCGCCGCCAAGCTGGCCTGCCGACCCCAAGCCCCGCCAGGCCCGCAC
 TCCGCGCCCCGGCTCCGCTACAGTGGCAGCCGAAGCGCGCCCGCCCGCCCGCCCGCC
 CCGGACGCGACCAGGCCAGGCCACCGCCCGCAGGAGACTGCGGCTGTGCGTGACGAGG
 TTTCCAGCCCCAGTACCCCGAGGCCAGACATCCCAGCCTGCCCTTCTCCGGCCAGA
 AGATAAAGAAATCCACCCGGCAGCAGGTACGCCGCCACCTGACATCCGCGCAGGACC
 AGGACACCATCTCTGAGCTTGCCTCATGCCTGCAACGGGCCCGGAGCTGGGGCAAGAG
 TCCGGGCGCTGAAGGCCAGTGCCAGGATGCTGGGAGTCTGCACCCAGAGGCCGAGG
 GCCGCCCTGAGGAGCCATGTGGCGAGAAGGCGCCGCTACCAGCGCTTCCATGCCCTGG
 CCCAGCCCGCCTGCCGGACTCGTGTGCCCTACAAGTACCANGTGTGGCGGAGATGT
 TCCGACGATGGACACCATCGTGGCATGCTCCACAACCGCTCCGAGACGCCACCTTTG
 CCAAAGTCCAGCGGGGGCGTCCAGGACATGATGCGTAGGCGTTTTGAGGAGCGCAATGGT
 GGGCAGATCAAACGTTACCGGCTTCTACGCTTTCGCCAGGAGCGCATGTCCACACT
 TCAGGATGGCA

Restriction Sites:	Please inquire
ACCN:	NM_030928
Insert Size:	1930 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:	NM_030928.2 , NP_112190.1
RefSeq Size:	2742 bp
RefSeq ORF:	1641 bp
Locus ID:	81620
UniProt ID:	Q9H211
Cytogenetics:	16q24.3
Protein Families:	Stem cell - Pluripotency
Gene Summary:	The protein encoded by this gene is involved in the formation of the pre-replication complex that is necessary for DNA replication. The encoded protein can bind geminin, which prevents replication and may function to prevent this protein from initiating replication at inappropriate origins. Phosphorylation of this protein by cyclin A-dependent kinases results in degradation of the protein. [provided by RefSeq, Mar 2011]