

Product datasheet for **SC300572**

CDY1B (NM_001003895) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	CDY1B
Synonyms:	CDY
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC300572 representing NM_001003895.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAAATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCTCCAGGAGTTTGAGGTTGAAGCTATTGTTGACAAAAGACAGGATAAAAAATGGGAATACACAG
TATTTGGTTCGGTGAAAGGTTATGACAAACAGGATGACACTTGGAACAGAGCAGCACCTCATGAAC
TGTGAAAAATGTGTACATGATTTTAAATAGACGACAGACTGAAAAACAGAAAAAACTGACATGGACTACA
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AACTCTCTAAAACGCCAGTGACTGATAAACACCACAGGTCCAAAAACGCAAGTTATTTGCTGCCAGC
AAGAAGCTTAGGAGAAAGGCAGCTTCAATTCTCTCCGACACAAAGAATATGGAGATAATAAATCAACT
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TTAATAGACCCATTAGCAGCCAATGGGACAACAGACATGCATACCTCAGTTCCAAGAGTGAAAGGTGGG
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ATTGGACTAGGTGCATCCATCCTGCCTCTTTGTGATCTCGTGTGGGCTAATGAAAGGCTTGGTTCCAA
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CTGGTCTCTCAGGTATTTTGAAGCACTTTACCCCAAGAGGTTATGATTCAAATTAAGGAGCTTGCC
TCATACAATCCAATTGTACTGGAAGAATGTAAGGCCCTCGTTCGCTGTAATATTAAGTTGGAGTTGGAA
CAGGCCAATGAGAGAGAGTGTGAGGTGCTGAGGAAGATCTGGAGCTCAGCCCAAGGGATAGAATCCATG
TTAAAAATACCTCTGTTGGGATATAAAGCAGCCTTCCCTCCAGAAAGACAGAAATGATCAGAGATGG
TGCCCTTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAAATGATATCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGCCCGC
  
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Restriction Sites: SgfI-MluI

ACCN: NM_001003895

Insert Size: 1665 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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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:	<u>NM_001003895.1</u>
RefSeq Size:	2366 bp
RefSeq ORF:	1665 bp
Locus ID:	253175
UniProt ID:	<u>Q9Y6F8</u>
Cytogenetics:	Yq11.23
MW:	62 kDa
Gene Summary:	This gene encodes a protein containing a chromodomain and a histone acetyltransferase catalytic domain. Chromodomain proteins are components of heterochromatin-like complexes and can act as gene repressors. This protein is localized to the nucleus of late spermatids where histone hyperacetylation takes place. Histone hyperacetylation is thought to facilitate the transition in which protamines replace histones as the major DNA-packaging protein. The human chromosome Y has two identical copies of this gene within a palindromic region; this record represents the more centromeric copy. Chromosome Y also contains a pair of closely related genes in another more telomeric palindrome as well as several related pseudogenes. Two protein isoforms are encoded by transcript variants of this gene. Additional transcript variants have been described, but their full-length nature has not been determined. [provided by RefSeq, Jul 2008] Transcript Variant: This variant (2), also called the minor variant, lacks a segment in the 3' end of the coding sequence, compared to variant 1. Variant 2 encodes isoform b which has a longer and distinct C-terminus, compared to isoform a.