

## Product datasheet for **SC322785**

### CDYL (NM\_170751) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CDYL (NM_170751) Human Untagged Clone
Tag:	Tag Free
Symbol:	CDYL
Synonyms:	CDYL1, MGC131936, DKFZp586C1622
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**Fully Sequenced ORF:** >OriGene sequence for SC322785  
 CCGACGCGTGGGCGCGATCCGGCCGCGCCGCCGACGCGCCGCGCCCGCCAGCCC  
 GCCCGGCCCGCGGGCGGGCGCGATGAGCCGAGCGCGAGCCGGCCCGCGGGAGTGAG  
 CGCGGGGCGCCAGGGCGGTTGCGTAGCTGCTCCTGCGCACAACCCGCGCGCCGCG  
 GCCCGACTGGCCGCGGAGTGAAGAGGCTCGTCCGTGCCAGCGCCGGCCGCGCGG  
 GAGCAGGAAGCGCAGGCCACGCAGGACCAACTGAAACAAAGTGTGCGCCCGCGCGCC  
 GCGCGCCCGCCGACCCCTGCCCTCCCGCCGCAACTCCGCCGCCACCATTGGCTTCCGA  
 GGAGCTGTACGAGTTGAAAGGATTGTTGACAAAAGGAAAAATAAAAAAGGAAGACAGA  
 GTATTTGGTTGCGGTGAAAGGCTATGACAGCGAGGACGACACTTGGGAGCCGGAACAGA  
 CCTCGTGAAGTGTGAGGAATACATCCACGACTTCAACAGACGCCACACGGAGAAGCAGAA  
 GGAGAGCACATTGACCAGAACAAACAGGACCTCTCCAACAATGTAGGAAACAAATCTC  
 CAGATCCACCAACAGCAACTTTTCTAAGACCTCTCTAAGGCACTCGTGATTGGGAAAGA  
 CCAGGAATCCAAAACAGCCAGCTGTTTGTGCCAGCCAGAAGTTCAGGAAGAACACAGC  
 TCCATCTCTCCAGCCGGAAGAACATGGACCTAGCGAAGTCAGGTATCAAGATCCTCGT  
 GCCTAAAAGCCCGTTAAGAGCAGGACCGCAGTGGACGGCTTTCAGAGCGAGAGCCCTGA  
 GAAACTGGACCCCGTTCGAGCAGGGTCAGGAGGACACAGTGGCACCCGAAGTGGCAGCGGA  
 AAAGCCGGTCCGGAGCTTTATTGGCCCGGTGCCGAGAGGGCCAGGATGGGGAGCAGGCC  
 CAGGATACACCCACTAGTGCCTCAGGTGCCCGGCCCTGTGACTGCAGCCATGGCCACAGG  
 CTTAGCTGTTAACGGGAAAGGTACATCTCCGTTTATGATGATTAACAGCCAATGGGAC  
 AACCAACATACAGACATCTGTTACAGGAGTGACTGCCAGCAAAGGAAATTTATTGACGA  
 CAGAAGAGACCAGCTTTTGACAAGCGATTGCGTTTCAGCGTGAGGCAAACAGAAAGTGC  
 CTACAGATACAGAGATATTGGTTCAGGAAGCAGGATGGCTTACCCACATCTTGTATC  
 CACAAAGTCCCTCAGAGAATAACTCACTAAATCCAGAGGTAATGAGAGAAGTCCAGAGTGC  
 TCTGAGCACGGCCGCTGCCGATGACAGCAAGCTGGTACTGCTCAGCGCCGTTGGCAGCGT  
 CTTCTGTTGTGGACTTGACTTTATTTATTTATACGACGCTGACAGATGACAGGAAAAG  
 AGAAAGCACTAAAATGGCAGAAGCTATCAGAACTTCGTGAATACTTTCAATTTAA  
 GAAGCCATTATTGTAGCAGTCAATGGCCAGCCATTGGTCTAGGAGCATCTATATTGCC  
 TCTTTGCGATGTGGTTTGGGCTAATGAAAAGGCTTGGTTTCAAACACCCTATACCACCTT  
 CGGACAGAGTCCAGATGGCTGTTCTACCGTTATGTTTCCCAAGATAATGGGAGGAGCATC  
 TGCAAACGAGATGCTGCTCAGTGGACGGAAGCTGACAGCGCAGGAGGCGTGTGGCAAGGG  
 CCTGGTCTCCAGGTGTTTTGGCCGGGACGTTCACTCAGGAAGTGTGTTTCGATTAA  
 GGAGCTTGCCCTCGTGAATCCAGTTGTGCTTGAGGAATCCAAAGCCCTCGTGCCTGCAA  
 CATGAAGATGGAGCTGGAGCAGGCCAACGAGAGGGAGTGTGAGGTGCTGAAGAAAATCTG  
 GGGCTCGGCCAGGGGATGGACTCCATGTTAAAGTACTTGCAGAGGAAGATCGATGAGTT  
 CTGAGTGTGCGGCTGCCACTGGTGACACCGGGATCGGGCTGAGCAGGAGAACATCACCG  
 GCTCCAGTTCCCTGATCCATTCTCACAGCCTGAAACAAGCTCACCCGTAGCTTACGCTT  
 GGAAGCAGGACTGGGAACATCCACGCTATTTATTCGAGGAGTTTTAAAGTACTGTAAC  
 TTTAAAAATAAATAACTACAAAGCTAAAAAAAAAAAAAAAA

**Restriction Sites:** Please inquire

**ACCN:** NM\_170751

**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.

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_170751.1</a></u> , <u><a href="#">NP_736607.1</a></u>
<b>RefSeq Size:</b>	3474 bp
<b>RefSeq ORF:</b>	1635 bp
<b>Locus ID:</b>	9425
<b>Cytogenetics:</b>	6p25.1
<b>Gene Summary:</b>	<p>Chromodomain Y is a primate-specific Y-chromosomal gene family expressed exclusively in the testis and implicated in infertility. Although the Y-linked genes are testis-specific, this autosomal gene is ubiquitously expressed. The Y-linked genes arose by retrotransposition of an mRNA from this gene, followed by amplification of the retroposed gene. Proteins encoded by this gene superfamily possess a chromodomain, a motif implicated in chromatin binding and gene suppression, and a catalytic domain believed to be involved in histone acetylation. Multiple proteins are encoded by transcript variants of this gene. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (2) uses an alternate in-frame exon, compared to variant 1, resulting in a shorter protein (isoform b) that has a distinct N-terminus, compared to isoform a.</p>