

Product datasheet for **SC325064**

CDYL (NM_001143970) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: CDYL (NM_001143970) Human Untagged Clone
Tag: Tag Free
Symbol: CDYL
Synonyms: CDYL1
Vector: pCMV6 series

Fully Sequenced ORF: >NCBI ORF sequence for NM_001143970, the custom clone sequence may differ by one or more nucleotides

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ATGGACCTAGCGAAGTCAGGTATCAAGATCCTCGTGCCTAAAAGCCCGTTAAGAGCAGG
ACCGCAGTGGACGGCTTTCAGAGCGAGAGCCCTGAGAACTGGACCCCGTCGAGCAGGGT
CAGGAGGACACAGTGGCACCCGAAGTGGCAGCGGAAAAGCCGGTCGGAGCTTTATTGGGC
CCCGGTGCCGAGAGGGCCAGGATGGGGAGCAGGCCAGGATACACCCACTAGTGCCTCAG
GTGCCCGGCCCTGTGACTGCAGCCATGGCCACAGGCTTAGCTGTTAACGGGAAAGGTACA
TCTCCGTTTCATGGATGCATTAACAGCCAATGGGACAACCAACATACAGACATCTGTTACA
GGAGTACTGCCAGCAAAGGAAATTTATTGACGACAGAAGAGACCAGCCTTTTGACAAG
CGATTGCGTTTCAGCGTGAGGCAAACAGAAAGTGCCTACAGATACAGAGATATTGTGGTC
AGGAAGCAGGATGGCTTACCCACATCTTGTATCCACAAGTCCCTCAGAGAATAACTCA
CTAAATCCAGAGGTAATGAGAGAAGTCCAGAGTCTCTGAGCACGGCCGCTGCCGATGAC
AGCAAGCTGGTACTGCTCAGCGCCGTTGGCAGCGTCTTCTGTTGTGGACTTGACTTTATT
TATTTTACGACGTCTGACAGATGACAGGAAAAGAGAAAGCACTAAAATGGCAGAAGCT
ATCAGAAACTTCGTGAATACTTTCAATTTAAGAAGCCATTATTGTAGCAGTCAAT
GGCCCAGCCATTGGTCTAGGAGCATCTATATTGCCTCTTTGCGATGTGGTTTGGGCTAAT
GAAAAGGCTTGGTTTCAAACACCCATACCACCTTCGGACAGAGTCCAGATGGCTGTTCT
ACCGTTATGTTTCCCAAGATAATGGGAGGAGCATCTGCAAACGAGATGCTGCTCAGTGGA
CGGAAGCTGACAGCGCAGGAGGCGTGTGGCAAGGGCCTGGTCTCCAGGTGTTTTGGCCC
GGGACGTTCACTCAGGAAGTGATGGTTCGATTAAGGAGCTTGCCTCGTGAATCCAGTT
GTGCTTGAGGAATCCAAAGCCCTCGTGCCTGCAACATGAAGATGGAGCTGGAGCAGGCC
AACGAGAGGGAGTGTGAGGTGCTGAAGAAAATCTGGGGCTCGGCCAGGGGATGGACTCC
ATGTTAAAGTACTTGCAGAGGAAGATCGATGAGTTC
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Restriction Sites: Please inquire

ACCN: NM_001143970

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).



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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:	<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:	<u>NM_001143970.1</u> , <u>NP_001137442.1</u>
RefSeq Size:	3326 bp
RefSeq ORF:	1239 bp
Locus ID:	9425
UniProt ID:	<u>Q9Y232</u>
Cytogenetics:	6p25.1
Gene Summary:	<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 (4) differs in the 5' UTR and coding sequence compared to variant 1. The resulting isoform (d) has a shorter N-terminus compared to isoform a. Variants 4 and 5 both encode isoform d.</p>