

Product datasheet for **RC227570**

CDYL (NM_001143971) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CDYL (NM_001143971) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CDYL
Synonyms:	CDYL1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC227570 representing NM_001143971
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCTTCGAGGAGCTGTACGAGTTGAAAGGATTGTTGACAAAAGGAAAAATAAAAAAGGAAGACAG
 AGTATTTGGTTCCGGTGGAAAGGCTATGACAGCGAGGACGACACTTGGGAGCCGGAACAGCACCTCGTGAA
 CTGTGAGGAATACATCCACGACTTCAACAGACGCCACACGGAGAAGCAGAAGGAGAGCACATTGACCAGA
 ACAAACAGGACCTCTCCCAACAATGCTAGGAAACAAATCTCCAGATCCACCAACAGCAACTTTTCTAAGA
 CCTCTCTAAGGCACTCGTGATTGGGAAAGACCACGAATCCAAAAACAGCCAGCTGTTTGTGCCAGCCA
 GAAGTTCAGGAAGAACACAGCTCCATCTCTCCAGCCGGAAGAACATGGACCTAGCGAAGTCAGGTATC
 AAGATCCTCGTCCTAAAAGCCCCGTTAAGAGCAGGACCCGAGTGGACGGCTTTCAGAGCGAGAGCCCTG
 AGAACTGGACCCCGTCGAGCAGGGT CAGGAGGACACAGTGGCACCCGAAGTGGCAGCGGAAAAGCCGT
 CGGAGCTTTATTGGGCCCGGTGCCGAGAGGGCCAGGATGGGAGCAGGCCAGGATACACCCACTAGTG
 CCTCAGGTGCCCGCCCTGTGACTGCAGCCATGGCCACAGGCTTAGCTGTTAACGGGAAAGGTACATCTC
 CGTTCATGGATGCATTAACAGCCAATGGGACAACCAACATACAGACATCTGTTACAGGAGTGACTGCCAG
 CAAAAGGAAATTTATTGACGACAGAAGAGACCAGCCTTTTGACAAGCGATTGCGTTTCAGCGTGAGGCAA
 ACAGAAAGTGCCTACAGATACAGAGATATTGTGGTCAGGAAGCAGGATGGCTTCACCCACATCTTGTAT
 CCACAAAGTCTCAGAGAATAACTCACTAAATCCAGAGGTAATGAGAGAAGTCCAGAGTGCCTGAGCAC
 GGCCGCTGCCGATGACAGCAAGCTGGTACTGCTCAGCGCCGTGGCAGCGTCTTCTGTTGTGGACTTGAC
 TTTATTTATTTATACGACGCTGACAGATGACAGGAAAAGAGAAAGCACTAAAAATGGCCAGCCATTCA
 GAAACTCGTGAATACTTTCATTAATTAAGAAGCCATTATTGTAGCAGTCAATGGCCAGCCATTGG
 TCTAGGAGCATCTATATTGCCTCTTGGCATGTGGTTTGGGCTAATGAAAAGGCTTGGTTTCAAACACCC
 TATACCACCTTCGGACAGAGTCCAGATGGCTGTTCTACCGTTATGTTTCCAAGATAATGGGAGGAGCAT
 CTGCAAACGAGATGCTGCTCAGTGGACGGAAGCTGACAGCGCAGGAGGCGTGTGGCAAGGCGCTGCTC
 CCAGGTGTTTTGGCCGGGACGTTCACTCAGGAAGTGATGGTTCGCATTAAGGAGCTTGCCTCGTCAAT
 CCAGTTGTGCTTGAGGAATCCAAAGCCCTCGTGCCTGCAACATGAAGATGGAGCTGGAGCAGGCCAACG
 AGAGGGAGTGTGAGGTGCTGAAGAAAATCTGGGGCTCGGCCAGGGGATGGACTCCATGTTAAAGTACTT
 GCAGAGGAAGATCGATGAGTTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC227570 representing NM_001143971
 Red=Cloning site Green=Tags(s)

MASEELYEVERIVDKRKNKKGKTEYLVRWKGYDSEDDTWEPEQHLVNCEEYIHFNRHTEKQKESTLTR
 TNRTSPNNARKQISRSTNSNFSKTSFKALVIGKDHEKNSQLFAASQKFRKNTAPSLSSRKNMDLAKSGI
 KILVPKSPVKSRTAVDGFQSESPKLDPVEQGGEDTVAPEVAAEKPVGALLGPGAERARMGSRPRIHPLV
 PQVPGPVTAAMATGLAVNGKGTSPFMDALTANGTTNIQTSVTGVTASKRKFIDRRDQPFDKRLRFVSRQ
 TESAYRYRDIIVRKQDGFTHILLSTKSENNSLNPEVMREVQSALSTAAADSKLVLLSAVGSVFCCGLD
 FIYFIRRLTDDRKRETKMAEAI RNFNVTFIQFKKPIIVAVNGPAIGLGASILPLCDVVWANEKAWFQTP
 YTTFGQSPDGCSTVMFPKIMGGASANEMLLSGRKLTAEACGKGLVSQVFWPGTFTEVMVRIKELASCN
 PVVLEESKALVRCNMKMELEQANERECEVLKKIWGSAQGMDSMLKYLQRKIDEF

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001143971

ORF Size: 1635 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001143971.1](#), [NP_001137443.1](#)

RefSeq Size: 3250 bp

RefSeq ORF: 1239 bp

Locus ID: 9425

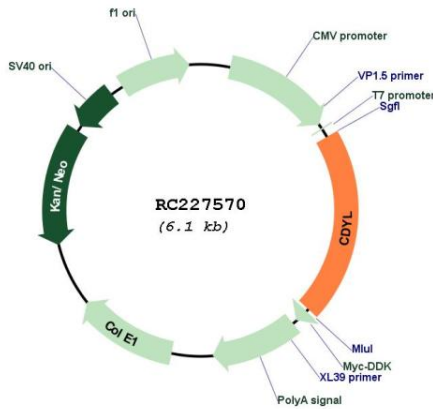
UniProt ID: [Q9Y232](#)

Cytogenetics: 6p25.1

MW: 60.6 kDa

Gene Summary: 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]

Product images:



Circular map for RC227570