

Product datasheet for **RC215813**

CDYL (NM_004824) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CDYL (NM_004824) 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)



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ORF Nucleotide
Sequence:

>RC215813 representing NM_004824
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGCATCGCC

ATGGCTTCGAGGAGCTGTACGAGTTGAAAGGATTGTTGACAAAAGGAAAAATAAAAAAGGAAGACAG
AGTATTTGGTTCCGTGGAAAGGCTATGACAGCGAGGACGACACTTGGGAGCCGGAACAGCACCTCGTGAA
CTGTGAGGAATACATCCACGACTTCAACAGACGCCACACGGAGAAGCAGAAGGAGAGCACATTGACCAGA
ACAAACAGGACCTCTCCCAACAATGCTAGGAAACAAATCTCCAGATCCACCAACAGCAACTTTTCTAAGA
CCTCTCTAAGGCACTCGTGATTGGGAAAGACCACGAATCCAAAAACAGCCAGCTGTTTGTGCCAGCCA
GAAGTTCAGGAAGAACACAGCTCCATCTCTCCAGCCGGAAGAACATGGACCTAGCGAAGTCAGGTATC
AAGATCCTCGTCCTAAAAGCCCCGTTAAGAGCAGGACCCGAGTGGACGGCTTTCAGAGCGAGAGCCCTG
AGAACTGGACCCCGTCGAGCAGGGTCAGGAGGACACAGTGGCACCCGAAGTGGCAGCGGAAAAGCCGT
CGGAGCTTTATTGGGCCCGGTCCGAGAGGGCCAGGATGGGAGCAGGCCAGGATACACCCACTAGTG
CCTCAGGTGCCCGCCCTGTGACTGCAGCCATGGCCACAGGCTTAGCTGTTAACGGGAAAGGTACATCTC
CGTTCATGGATGCATTAACAGCCAATGGGACAACCAACATACAGACATCTGTTACAGGAGTGACTGCCAG
CAAAAGGAAATTTATTGACGACAGAAGAGACCAGCCTTTTGACAAGCGATTGCGTTTCAGCGTGAGGCAA
ACAGAAAGTGCCTACAGATACAGAGATATTGTGGTCAGGAAGCAGGATGGCTTACCCACATCTTGTAT
CCACAAAGTCTCAGAGAATAACTCACTAAATCCAGAGGTAATGAGAGAAGTCCAGAGTGCCTGAGCAC
GGCCGCTGCCGATGACAGCAAGCTGGTACTGCTCAGCGCCGTGGCAGCGCTTCTGTGTGGACTTGAC
TTTATTTATTTATACGACGCTGACAGATGACAGGAAAAGAGAAAGCACTAAAAAGCCAGCCATTCA
GAAACTCGTGAATACTTTCATTAATTAAGAAGCCATTATTGTAGCAGTCAATGGCCAGCCATTG
TCTAGGACATCTATATTGCCTCTTGGCATGTGGTTTGGGCTAATGAAAAGGCTTGGTTTCAAACACCC
TATACCACCTTCGACAGAGTCCAGATGGCTGTTCTACCGTTATGTTTCCAAGATAATGGGAGGAGCAT
CTGCAACAGAGATGCTGCTCAGTGGACGGAAGCTGACAGCGCAGGAGGCGTGTGGCAAGGCGCTGCTC
CCAGGTGTTTTGGCCGGGACGTTCACTCAGGAAGTGATGGTTCGCATTAAGGAGCTTGCCTCGTCAAT
CCAGTTGTGCTTGAAGATCCAAAGCCCTCGTGCCTGCAACATGAAGATGGAGCTGGAGCAGGCCAACG
AGAGGGAGTGTGAGGTGCTGAAGAAAATCTGGGCTCGGCCAGGGGATGGACTCCATGTTAAAGTACTT
GCAGAGGAAGATCGATGAGTTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC215813 representing NM_004824
Red=Cloning site Green=Tags(s)

MASEELYEVERIVDKRKNKKGKTEYLVRWKGYDSEDDTWEPEQHLVNCEEYI HDFNRRHTEKQKESTLTR
TNRTSPNNARKQISRSTNSNFSKTS PKALVIGKDHE SKNSQLFAASQKFRKNTAPSLSSRKNMDLAKSGI
KILVPKSPVKSRTAVDGFQSE SPEKLDPVEQGEDTVAPEVAAEKPVGALLGPGAERARMGSRPRIHPLV
PQVPGPVTAAMATGLAVNGKGTSPFMDALTANGTTNIQTSVTGVTASKRKFIDRRDQPFDKRLRF SVRQ
TESAYRYRDI VVRKQDGFTHILLSTKSENNSLNPEVMREVQSALSTAAADDSKLVLL SAVGSVFCCGLD
FIYFIRRLTDDRKRESTKMAEAI RNFNVTFIQFKKPIIVAVNGPAIGLGASILPLCDVVWANEKAWFQTP
YTTFGQSPDGCSTVMFPKIMGGASANEMLLSGRKLTAEACGKGLVSQVFWPGTF TQEV MVRIKELASCN
PVVLEESKALVRCNMKMELEQANERECEVLKKIWGSAQGMDSMLKYLQRKIDEF

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8069_a09.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

ACCN: NM_004824

ORF Size: 1632 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_004824.4](#)
RefSeq Size: 3432 bp

RefSeq ORF: 1635 bp

Locus ID: 9425

UniProt ID: [Q9Y232](#)

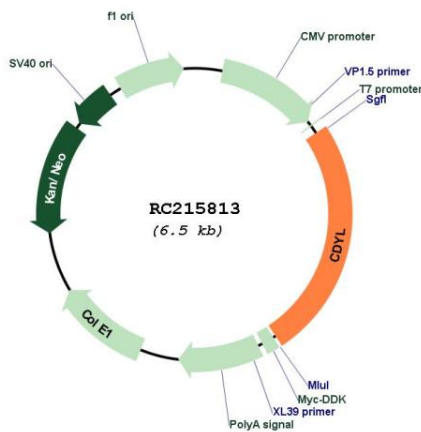
Cytogenetics: 6p25.1

Domains: CHROMO, ECH

MW: 60.4 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 RC215813