

Product datasheet for **RG217438**

CDYL (NM_170752) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CDYL (NM_170752) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CDYL
Synonyms:	CDYL1, MGC131936, DKFZp586C1622
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG217438 representing NM_170752 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGATGCATTAAACAGCCAATGGGACAACCAACATACAGACATCTGTTACAGGAGTGACTGCCAGCAAAA
GGAAATTTATTGACGACAGAAGAGACCAGCCTTTTGACAAGCGATTGCGTTTCAGCGTGAGGCAACAGA
AAGTGCCACAGATACAGAGATATTGTGGTCAGGAAGCAGGATGGCTTCACCCACATCTTGTTATCCACA
AAGTCCTCAGAGAATAACTCACTAAATCCAGAGGTAATGAGAGAAGTCCAGAGTGCTCTGAGCACGGCCG
CTGCCGATGACAGCAAGCTGGTACTGCTCAGCGCCGTTGGCAGCGTCTTCTGTTGTGGACTTGACTTTAT
TTATTTTATACGACGCTCTGACAGATGACAGGAAAAGAGAAAGCACTAAAATGGCAGAAGCTATCAGAAAC
TTCGTGAATACTTTCATTCAATTTAAGAAGCCATTATTGTAGCAGTCAATGGCCAGCCATTGGTCTAG
GAGCATCTATATTGCCTCTTTGCGATGTGGTTTGGGCTAATGAAAAGGCTTGGTTTCAAACACCCTATAC
CACCTTCGGACAGAGTCCAGATGGCTGTCTACCGTTATGTTTCCCAAGATAATGGGAGGAGCATCTGCA
AACGAGATGCTGCTCAGTGGACGGAAGCTGACAGCGCAGGAGGCGTGTGGCAAGGGCCTGGTCTCCAGG
TGTTTTGGCCCGGACGTTCACTCAGGAAGTGATGGTTCGCATTAAGGAGCTTGCCTCGTCAATCCAGT
TGTGCTTGAGGAATCAAAGCCCTCGTGCCTGCAACATGAAGATGGAGCTGGAGCAGGCCAACGAGAGG
GAGTGTGAGGTGCTGAAGAAAATCTGGGCTCGGCCAGGGGATGGACTCCATGTTAAAGTACTTGACAGA
GGAAGATCGATGAGTTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG217438 representing NM_170752
Red=Cloning site Green=Tags(s)

MDALTANGTTNIQTSVTGVTASKRKFIDRRDQPFDKRLRFSVRQTESAYRYRDI VVRKQDGFTHILLST
 KSEENSLNPEVMREVQSALSTAAADSKLVLLSAVGSVFCGLDFIYFIRRLTDDRKRESTKMAEAIRN
 FVNTFIQFKKPIIVAVNGPAIGLGASILPLCDVVWANEKAWFQTPYTTFGQSPDGCSTVMFPKIMGGASA
 NEMLLSGRKLTAQEACGKGLVSQVFWPGTFTQEVMVRIKELASCNPVVL EESKALVRCNMKMELEQANER
 ECEVLKKI WGSAQGMSMLKYLQRKIDEF

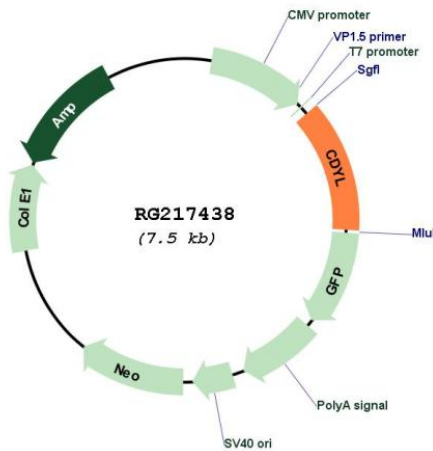
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_170752

ORF Size: 927 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:	<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:	NM_170752.1 , NP_736608.1
RefSeq Size:	2805 bp
RefSeq ORF:	929 bp
Locus ID:	9425
Cytogenetics:	6p25.1
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]