

Product datasheet for **RG213155**

CDYL2 (NM_152342) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	CDYL2
Synonyms:	PCCP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG213155 representing NM_152342
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGCTTCTGGGGACCTTTACGAGGTTGAAAGGATTGTAGACAAGAGGAAGAACAAGAAAGGAAAATGGG
 AGTATCTTATCCGATGGAAAGGCTACGGGAGCACCCAGGACACGTGGGAGCCGGAGCACCACTCTTGCA
 CTGTGAGGAGTTTATTGATGAATTCATGGGTTGCACATGTCCAAGGACAAGAGGATCAAGTCAGGGAAG
 CAGTCCAGTACCTCCAAGCTGCTGCGTGACAGTCGAGGCCCGTTCGGTTGAGAACTGTCCCACAGACCTT
 CAGATCCTGGAAAGACAAGGGGACCTCCATAAACGGAAGCGAATTAACCTCCCTGGCCAAGCCAAA
 AAAAGGGTATTTCAGGCAAGCCCTTTCAGGAGGTGACAGGGCCACCAAGACGGTGTCTTACAGGACTACC
 CCCAGTGGTTTGCAAAATATGCCCTGAAAAAGTCTCAGAACGGGATGGAAAATGGGGACGCCGGCTCTG
 AGAAGGATGAGAGGCACCTTGAAAATGGGTCCCATCAGCCTGGCTTGGATTTGAATGATCATGTTGGAGA
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 AACGGGGGATTGAACCTGCACAGTCCAGTGAAGAGGAAGCTGGAAGCGGAGAAGGACTACGTCTTTGACA
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 GAGCACTCGGATTGCAGAAGCCATCAGGGACTTTGTGAAGGCCTTTATCCAGTTTAAAGAAGCCTATCGTG
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 GTGAGAAGGCTGGTTCAGACGCCCTACGCCACCATCCGCTCAGCCTGCTGGCTGCTCCTCTACAC
 CTTCCCCAGATCCTGGGCGTCCGCTGGCCAATGAGATGCTGTTCTGTGGGCGGAAGCTCACCGCCAG
 GAGGCTGCAGCAGGGGCTGGTGTGCGAGGTCTTCTGGCCACCACGTTACAGCCAGGAGGTCATGCTGC
 GGGTCAAGGAGATGGCATCCTGCAGTCCGTGGTGTAGAGGAGTCCAATGCCTCGTGGGAGCTTCTCT
 GAAATCAGTGTGGAAGACGTGAACGAGAAGGAATGCCTCATGCTCAAGCAGCTCTGGAGCTCCTCCAAA
 GGCTTGACTCCCTTTTCAGCTACCTGCAGGACAAAATTTATGAAGTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTAA

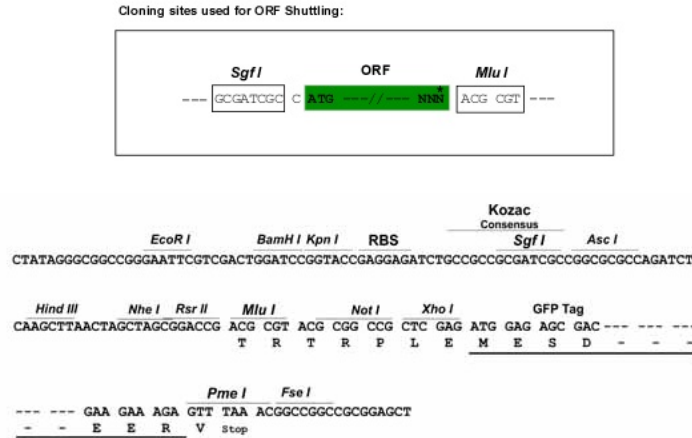
Protein Sequence: >RG213155 representing NM_152342
 Red=Cloning site Green=Tags(s)

MASGDLYEVERIVDKRKNKKGKWEYLIRWKGYGSTEDTWEPEHLLHCEEFIDFNGLHMSKDKRIKSGK
 QSSTSKLLRDRSGPSVEKLSHRPSDPGKSKGTSHKRKRINPPLAKPKKGYSGKPSSGGDRATKTVSYRRT
 PSQLQIMPLKKSQNGMENDAGSEKDERHFGNGSHQPLDLNDHVGEQDMGECVDNHTLAENGLSALT
 NGGLNLHSPVYKRLAEAKDYVFDKRLRYSVRQNESNCRFRDIVVRKEEGFTHILLSSQTSNNALTPEIM
 KEVRRALCNAATDDSKLLLLSAVGSVFCGLDYSYLGRLSSDRRKESTRIAEAIRDVFKAFIQFKKPIV
 VAINGPALGLGASILPLCDIVWASEKAWFQTPYATIRLTPAGCSSYTFPQILGVALANEMLFCCRKLTAQ
 EACSRGLVSQVFWPTTFSQEVMLRVKEMASCSAVVLEESKCLVRSFLKSVLEDVNEKECLMLKQLWSSSK
 GLDSLFSYLQDKIYEV

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_152342

ORF Size: 1518 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.

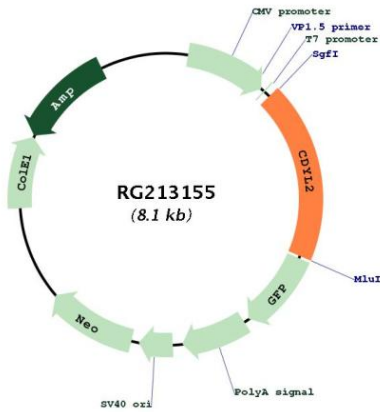
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_152342.4](#)

RefSeq Size: 2233 bp

RefSeq ORF: 1521 bp
 Locus ID: 124359
 UniProt ID: [Q8N8U2](#)
 Cytogenetics: 16q23.2

Product images:



Circular map for RG213155