

## Product datasheet for **RG236584**

### Cyclin Y (CCNY) (NM\_001282854) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Cyclin Y (CCNY) (NM_001282854) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Cyclin Y
Synonyms:	C10orf9; CBCP1; CCNX; CFP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG236584 representing NM_001282854. Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGACCCAGATGGAAGGATGCTCTTAGATATTTTGTGAAAATCTTCACCCTCTTTCGAAATCCGAA
GTGCCACCAGATTATGACAAACACAACCCAGAGCAGAAGCAGATTTACCGTTTCGTTCCGACACTGTTT
AGTGCTGCTCAGCTGACGGCTGAATGTGCCATCGTCACCCTGGTGTACCTTCAAAGACTTTAAACATAC
GCAGAGATAGATATCTGTCCGGCAACTGGAAGCGGATTGTTTTAGGGGCGATCCTGCTGGCCTCCAAG
GTGTGGGATGACCAGGCTGTATGGAATGTGGATTACTGCCAGATCCTGAAAGACATCACGGTGGAGGAC
ATGAACGAGCTAGAGCGACAGTTTCTTGAATTGCTGCAGTTCAACATCAATGTTCCCTCCAGTGTCTAT
GCCAAGTATTATTTTATCTTCTCTGGCAGAAGCGAACAACCTGAGCTTTCCTTGGAGCCCTG
AGCAGGGAGAGGGCTCACAAGCTTGAGGCCATCTCTCGCCTCTGCGAGGACAAGTACAAGGACCTAAGA
AGATCCGCGAGGAAGCGCTCAGCCAGTGACAGACAACCTGACTCTGCCCGGTGGTCCCAGCCATCATC
TCT
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTAAAC
```



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**Protein Sequence:** >Peptide sequence encoded by RG236584  
 Blue=ORF Red=Cloning site Green=Tag(s)

MDPDGRMLLDIFDENLHPLSKSEVPPDYDKHNPEQKQIYRFVRTLFSAAQLTAECAIVTLVYLERLLTY  
 AEIDICPANWKRIVLGAILLASKVWDDQAVWVNDYQCILKIDITVEDMNERQFLELLQFNINVPSSVY  
 AKYYFDLRS LAEANNLSFPLEPLSRERAHKLEAISRLCEDKYKDLRRSARKRSASADNLTLPWSPAII  
 S  
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV  
 MGYGFYHFGTYPSTYENPFLHAINNGGYTNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED  
 SVIFTDKIIRS NATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVD SHMHFKSAIHPSILQNGGPMFA  
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001282854

**ORF Size:** 624 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).

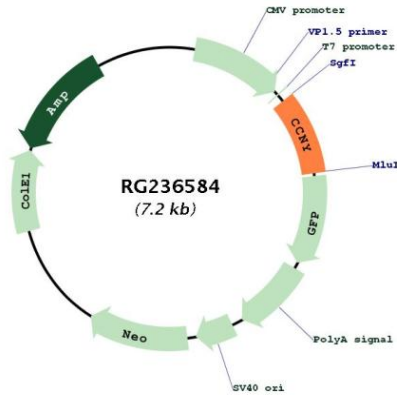
**RefSeq:** [NM\\_001282854.2](#)

**RefSeq Size:** 4574 bp

**RefSeq ORF:** 627 bp

**Locus ID:** 219771  
**UniProt ID:** [Q8ND76](#)  
**Cytogenetics:** 10p11.21  
**MW:** 24.6 kDa  
**Gene Summary:** Cyclins, such as CCNY, control cell division cycles and regulate cyclin-dependent kinases (e.g., CDC2; MIM 116940) (Li et al., 2009 [PubMed 18060517]).[supplied by OMIM, May 2009]

**Product images:**



Circular map for RG236584