

## Product datasheet for **RG237407**

### Cyclin Y (CCNY) (NM\_001282852) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Cyclin Y (CCNY) (NM_001282852) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CCNY
Synonyms:	C10orf9; CBCP1; CCNX; CFP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG237407 representing NM_001282852. Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGGGAACACTACCTCGTGTGCTGCGTCCAGTCCCAAGCTCCGGAGGAATGCCCACTCCCGGCTG
GAGTCCTACCGGCCAGACACGGACCTGAGCCGCGAGGACACGGGCTGCAACCTGCAGCACATCAGCGAC
CGGGAGAACATAGACGTGAGAGAAAAACGAAGAGTCTTTCATTAACCATCATCCTCCAGGACAAATA
GCAAGGAAATACAGTTCCTGCTCCACCATTTTCTAGATGATAGCACAGTCAGTCAACCAAACTCAAG
TATAACAATTAATGTGTCGCTCTTGCAATATATTACACATCAAAAACAGGGACCCAGATGGAAGGATG
CTCTTAGATATTTTGTGAAAATCTTACCCTCTTTCGAAATCCGAAGTGCCACCAGATTATGACAAA
CACAACCCAGAGCAGAAGCAGATTTACCGTTCGTTCCGACACTGTTCAAGTGTGCTCAGCTGACGGCT
GAATGTGCCATCGTCACCTGGTGTACCTTGAAGACTTTTAAACATACGCAGAGATAGATATCTGTCCG
GCCAECTGGAAGCGGATTGTTTTAGGGGCGATCCTGCTGGCCTCCAAGGTGTGGGATGACCAGGCTGTA
TGGAAATGTGGATTACTGCCAGATCCTGAAAGACATCACGGTGGAGGACATGAACGAGCTAGAGCGACAG
TTTCTTGAATTGCTGCAGTTCAACATCAATGTTCCCTCCAGTGTCTATGCCAAGTATTATTTTGTCTT
CGTTCTCTGGCAGAAGCGAACCACTGAGCTTTCCTTGGAGCCCTGAGCAGGGAGAGGGCTCACAAAG
CTTGAGGCCATCTCTCGCCTCTGCGAGGACAAGTACAAGGACCTAAGAAGATCCGCGAGGAAGCGCTCA
GCCAGTGCAGACAACCTGACTTGCCCGGTGGTCCCCAGCCATCATCTCT
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```



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**Protein Sequence:** >Peptide sequence encoded by RG237407  
 Blue=ORF Red=Cloning site Green=Tag(s)

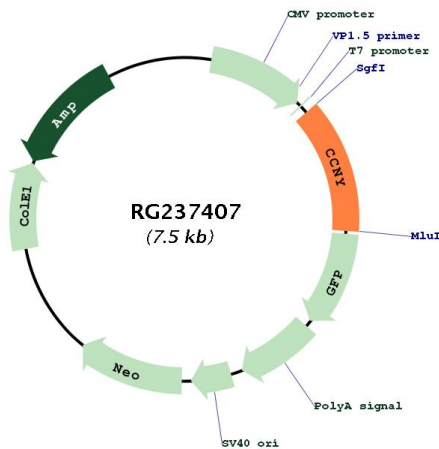
MGNTTSCCVSSSPKLRRNAHSRLESYRPDLDL SREDTGCNLQHISDRENIDVREKRKSLFINHHPPGQI  
 ARKYSSCSTIFLDDSTVSQPNLKYTIKCVLAIYHIKNRDPDGRMLLDIFDENLHPLSKSEVPPDYDK  
 HNPEQKQIYRFVRTLFSAAQLTAECAIVTLVYLERLLTYAEIDICPANWKRIVLGAILLASKVWDDQAV  
 WNVDYCQILKDI TVEDMNELERQFLELLQFNINVPSSVYAKYFFDLRSLAEANL SFPLEPLSRERAHK  
 LEAISRLCEDKYKDLRRSARKRSASADNLTLPWSPAIIS  
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMKSTKGALTFSPYLLSHV  
 MGYGFYHFGTYPSTYENPFLHAINNGGYTNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPEP  
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVD SHMHFKSAIHPSILQNGGPMFA  
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001282852

<b>ORF Size:</b>	948 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>RefSeq:</b>	<a href="#">NM_001282852.1</a> , <a href="#">NP_001269781.1</a>
<b>RefSeq Size:</b>	4636 bp
<b>RefSeq ORF:</b>	951 bp
<b>Locus ID:</b>	219771
<b>UniProt ID:</b>	<a href="#">Q8ND76</a>
<b>Cytogenetics:</b>	10p11.21
<b>MW:</b>	37 kDa
<b>Gene Summary:</b>	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]