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Product datasheet for RG237214

Cyclin Y (CCNY) (NM_001282853) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cyclin Y (CCNY) (NM_001282853) 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:

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>RG237214 representing NM_001282853.
Blue=ORF Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGGGAACACTACCTCGTGCTGCGTGTCGTCCAGTCCCAAGCTCCGGAGGAATGCCCACTCCCGGCTG
GAGTCCTACCGGCCAGACACGGACCTGAGCCGCGAGGACACGGGCTGCAACCTGCAGCACATCAGCGAC
CGGGAGAACATAGACGATTTGAACATGGAATTCAATCCTTCAGATCATCCTCGGGCCAGCACAATATTC
CTCAGTAAATCTCAGACGGACGTGAGAGAAAAACGCAAGAGTCTCTTCATTAACCATCATCCTCCAGGA
CAAATAGCAAGGAAATACAGTTCCTGCTCCACCATTTTCCTAGATGATAGCACAGTCAGTCAACCAAAC
CTCAAGTATACAATTAAATGTGTCGCTCTTGCAATATATTATCACATCAAAAACAGGGACCCAGATGGA
AGGATGCTCTTAGATATTTTTGATGAAAATCTTCACCCTCTTTCGAAATCCGAAGTGCCACCAGATTAT
GACAAACACAACCCAGAGCAGAAGCAGATTTACCGGTTCGTTCGGACACTGTTCAGTGCTGCTCAGCTG
ACGGCTGAATGTGCCATCGTCACCCTGGTGTACCTTGAAAGACTTTTAACATACGCAGAGATAGATATC
TGTCCGGCCAACTGGAAGCGGATTGTTTTAGGGGCGATCCTGCTGGCCTCCAAGGTGTGGGATGACCAG
GCTGTATGGAATGTGGATTACTGCCAGATCCTGAAAGACATCACGGTGGAGGACATGAACGAGCTAGAG
CGACAGTTTCTTGAATTGCTGCAGTTCAACATCAATGTTCCTTCCAGTGTCTATGCCAAGTATTATTTT
GATCTTCGTTCTCTGGCAGAAGCGAACAACCTGAGCTTTCCCTTGGAGCCCCTGAGCAGGGAGAGGGCT
CACAAGCTTGAGGCCATCTCTCGCCTCTGCGAGGACAAGTACAAGGACCTAAGAAGATCCGCGAGGAAG
CGCTCAGCCAGTGCAGACAACCTGACTCTGCCCCGGTGGTCCCCAGCCATCATCTCT
ACGCGTACGCGGCCGCTCGAG - GFP Tag -  GTTTAAAC
```

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Protein Sequence:

```
>Peptide sequence encoded by RG237214
Blue=ORF Red=Cloning site Green=Tag(s)

MGNTTSCCVSSSPKLRRNAHSRLESYRPDTDLSREDTGCNLQHISDRENIDDLNMEFNPSDHPRASTIF
LSKSQTDVREKRKSLFINHHPPGQIARKYSSCSTIFLDDSTVSQPNLKYTIKCVALAIYYHIKNRDPDG
RMLLDIFDENLHPLSKSEVPPDYDKHNPEQKQIYRFVRTLFSAAQLTAECAIVTLVYLERLLTYAEIDI
CPANWKRIVLGAILLASKVWDDQAVWNVDYCQILKDITVEDMNELERQFLELLQFNINVPSSVYAKYYF
DLRSLAEANNLSFPLEPLSRERAHKLEAISRLCEDKYKDLRRSARKRSASADNLTLPRWSPAIIS
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMKSTKGALTFSPYLLSHV
MGYGFYHFGTYPSGYENPFLHAINNGGYTNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYYSSVVDSHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
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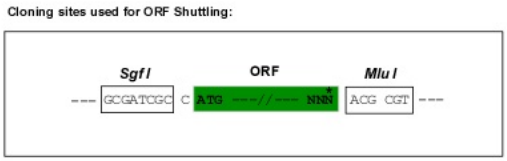
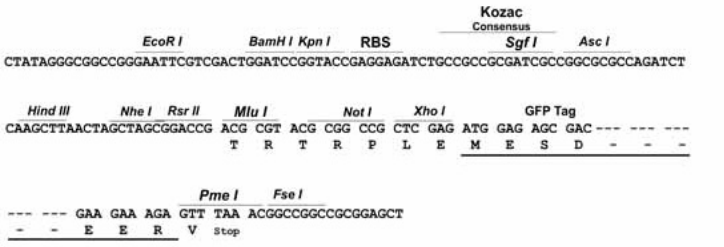
Restriction Sites: SgfI-MluI

Cloning Scheme:





ACCN: NM_001282853

ORF Size: 861 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_001282853.1, NP_001269782.1

RefSeq Size: 4774 bp

RefSeq ORF: 864 bp

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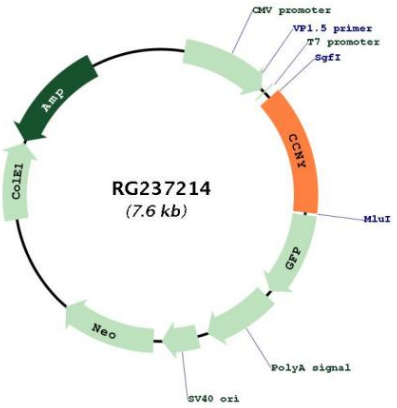
Locus ID:	219771
UniProt ID:	Q8ND76
Cytogenetics:	10p11.21
MW:	33.2 kDa
Gene Summary:	Cyclins, such as CCNY, control cell division cycles and regulate cyclin-dependent kinases (e.g., CDC2; MIM 116940) (Li et al., 2009 [PubMed 18060517]).[supplied by OMIM, May 2009]

Product images:



Circular map for RG237214

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