

Product datasheet for RC237407

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:	Myc-DDK
Symbol:	CCNY
Synonyms:	C10orf9; CBCP1; CCNX; CFP1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC237407 representing NM_001282852 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGGGAACACTACCTCGTGCTGCGTGTCCAGTCCCAAGCTCCGGAGGAATGCCACTCCCGGCTGG
AGTCTACCGCCAGACACGGACCTGAGCCGCGAGGACACGGGCTGCAACCTGCAGCACATCAGCGACCG
GGAGAACATAGAGCTGAGAGAAAACGCAAGAGTCTTTCATTAACCATCATCTCCAGGACAAATAGCA
AGGAAATACAGTTCCTGCTCCACCATTTTCTAGATGATAGCACAGTCAGTCAACCAAACCTCAAGTATA
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AGATATTTTTGATGAAAATCTTCACCCTCTTCGAAATCCGAAGTGCCACCAGATTATGACAAAACAAC
CCAGAGCAGAAGCAGATTTACCGGTTGTTTCGGACTGTTTCAGTGTGCTCAGCTGACGGCTGAATGTG
CCATCGTCACCCTGGTGTACCTTGAAAGACTTTAACATACGCAGAGATAGATATCTGTCCGGCCAACTG
GAAGCGGATTGTTTTAGGGGCGATCCTGCTGGCCTCCAAGGTGTGGGATGACCAGGCTGTATGGAATGTG
GATTACTGCCAGATCCTGAAAGACATCACGGTGGAGGACATGAACGAGCTAGAGCGACAGTTTCTTGAAT
TGCTGCAGTTCAACATCAATGTTCCCTTCCAGTGTCTATGCCAAGTATTATTTGATCTTCGTTCTCTGGC
AGAAGCGAACAACCTGAGCTTTCCCTTGGAGCCCTGAGCAGGGAGAGGGCTCACAAAGCTTGAGGCCATC
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ACCTGACTCTGCCCGGTGGTCCCCAGCCATCATCTCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
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Protein Sequence: >RC237407 representing NM_001282852
Red=Cloning site Green=Tags(s)

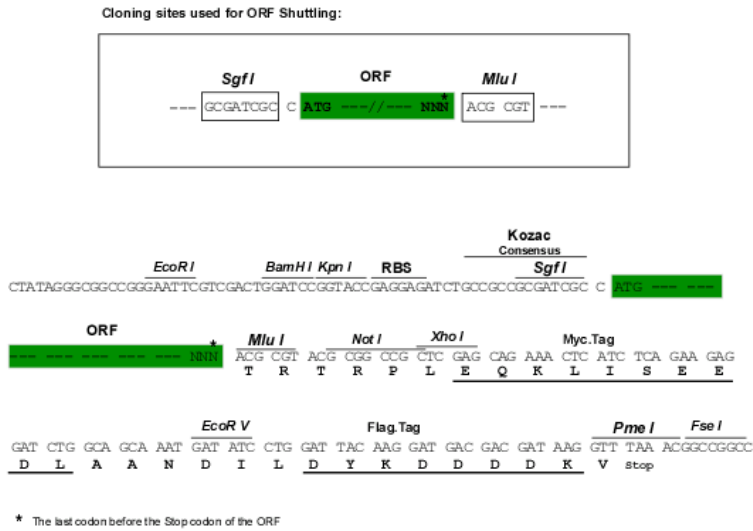
MGNTTSCCVSSSPKLRRNAHSRLESYRPDIDL SREDTGCNLQHISDRENIDVREKRKSLFINHHPPGQIA
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 PEQKQIYRFVRTLFSAAQLTAECAIVTLVYLERLLTYAIEDICPANWKRIVLGAILLASKVWDDQAVWNV
 DYCQILKDITVEDMNERQFLELLQFNINVPSVYAKYYFDLRLSLAEANNLSFPLEPLSRERAHKLEAI
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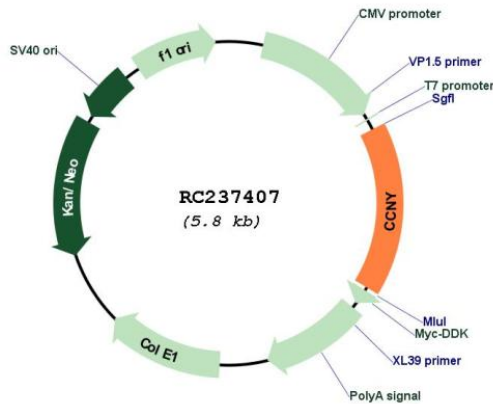
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001282852

ORF Size: 948 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_001282852.1 , NP_001269781.1
RefSeq Size:	4636 bp
RefSeq ORF:	951 bp
Locus ID:	219771
UniProt ID:	Q8ND76
Cytogenetics:	10p11.21
MW:	37 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]