

Product datasheet for **MG205108**

Ccny (BC023321) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ccny (BC023321) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ccny
Synonyms:	1700025H17Rik; 3110050L10Rik; 4631402G10Rik; 5730405I09Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205108 representing BC023321 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGGAACACAACCTTCGTGCTGCGTGTCCAGCCCCAAGCTCCGGAGGAATGCGCACTCGGGCTGG
AGTCCTACCGCCCGACACGGACCTCAGCCGTGAGGACTGGCTGCAATCTGCAGCACATCAGCGACCG
GGAAAACATCGACGATTTAAACATGGAATTCATCCTTCAGACCATCCTCGGGCCAGCACAATATTCCTC
AGCAAATCTCAGACAGACGTGAGAGAAAAACGCAAGAGTCTCTTCATTAACCATCATCCTCCAGGGCAGA
CATCAAGGAAATACAGCTTTGCTCCACCATCTCCTAGATGACAGCACAGTCAGCCAGCCAAACCTCAA
GTACACCATCAAATGTGTAGCTTTGCGATATATTACCACATCAAAAACAGGGACCCAGATGGAAGGATG
CTCTTAGATATTTTTGATGAAAACCTCCACCCTTTTCGAAATCCGAAAGTGCCACCTGATTATGACAAAAC
ACAACCCAGAACAGAAGCAAATTTACCGGTTGCTTCGGACACTCTTCAGTGCTGCTCAGCTGACAGCTGA
ATGTGCCATTGTCACCCTGGTATACCTTGAAAGGCTCTTGACATACGCAGAGATTGATATCTGTCCAGCC
AATTGGAAGCGCATTGTTCTAGGGGCAATCCTGCTGGCCTCTAAGGTGTGGGATGACCAAGCTGTGTGGA
ATGTGGATTACTGCCAGATCCTGAAAGACATCACAGTGGAGGACATGAATGAACTGGAGAGGCAGTTTCT
TGAATTGCTACAGTTTAAACATCAATGTTCCCTCCAGTGTGTATGCCAAGTATTATTTTATCTTCGTTCT
CTGGCAGAAGCAAACAACCTGAGCTTTCTCTGGAGCCCCTAAGCAGAGAGCGTGCCACCAAGCTTGAGG
CCATCTCTCGTCTGTGAGGACAAGTACAAGGACCTGAGGAAACCCATGAGGAAGCGTTTCAGCAAGTGC
TGACAACCTGATTCTGCCAAGGTGGTCTCCAGCCATCATCTCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG205108 representing BC023321
 Red=Cloning site Green=Tags(s)

MGNTTSCVSSPKLRRNAHSRLESYRPDTDL SREDTGCNLQHISDRENIDDLNMEFNPSDHPRASTIFL
 SKSQTDVREKRKSLFINHHPPGQTSRKYSSCSTIFLDDSTVSQPNLKYYTKCVLAIYYHIKNRDPDGRM
 LLDIFDENLHPLSKSEVPPDYDKHNPEQKQIYRFVRTLF SAAQLTAECAIVTLVYLERLLTYAEIDICPA
 NWKRIVLGAILLASKVWDDQAVWVNDYQCILKIDITVEDMNELERQFLELLQFNINVPSSVYAKYYFDLRS
 LAEANNLSFPLEPLSRERAHKLEAISRLCEDKYKDLRKP MRKRSASADNLI LPRWSPAII S

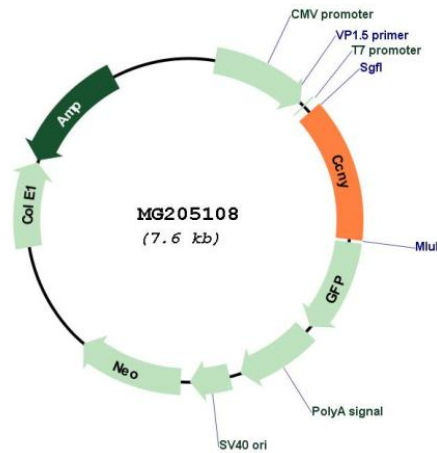
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: BC023321

ORF Size: 1025 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:	BC023321 , AAH23321
RefSeq Size:	2104 bp
RefSeq ORF:	1025 bp
Locus ID:	67974
Cytogenetics:	18 A1
Gene Summary:	Positive regulatory subunit of the cyclin-dependent kinase CDK14/PFTK1. Acts as a cell-cycle regulator of Wnt signaling pathway during G2/M phase by recruiting CDK14/PFTK1 to the plasma membrane and promoting phosphorylation of LRP6, leading to the activation of the Wnt signaling pathway (By similarity). Recruits CDK16 to the plasma membrane (By similarity). Positive regulatory subunit of the cyclin-dependent kinase CDK16.[UniProtKB/Swiss-Prot Function]