

Product datasheet for **MC217846**

Ccny (BC023321) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ccny (BC023321) Mouse Untagged Clone
Tag: Tag Free
Symbol: Ccny
Synonyms: 1700025H17Rik; 3110050L10Rik; 4631402G10Rik; 5730405I09Rik
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >BC023321
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGGGAACACAACCTTCGTGCTGCGTGTCTCCAGCCCCAAGCTCCGGAGGAATGCGCACTCGGGCTGG
AGTCTACCGCCCGACACGGACCTCAGCCGTGAGGACTGGCTGCAATCTGCAGCACATCAGCGACCG
GGAAAACATCGACGATTTAAACATGGAATTCATCCTTCAGACCATCCTCGGGCCAGCACAATATTCCTC
AGCAAATCTCAGACAGAGTGTAGAGAAAAACGCAAGAGTCTTTCATTAACCATCATCCTCCAGGGCAGA
CATCAAGGAAATACAGCTCTTGCTCCACCATCTTCTAGATGACAGCACAGTCAGCCAGCCAAACCTCAA
GTACACCATCAAATGTGTAGCTCTTGCGATATATTACCACATCAAAAACAGGGACCCAGATGGAAGGATG
CTCTTAGATATTTTTGATGAAAACCTCCACCCTCTTCGAAATCCGAAAGTGCCACCTGATTATGACAAAC
ACAACCCAGAACAGAAGCAAATTTACCGGTTCTGTCGACTCTTCAGTGTCTCAGCTGACAGCTGA
ATGTGCCATTGTCACCCTGGTATACCTTGAAAGGCTCTTGACATACGCAGAGATTGATATCTGTCCAGCC
AATTGGAAGCGCATTGTTCTAGGGGCAATCCTGCTGGCCTTAAGGTGTGGGATGACCAAGCTGTGTGGA
ATGTGGATTACTGCCAGATCCTGAAAGACATCACAGTGGAGGACATGAATGAAGTGGAGAGGCAGTTTCT
TGAATTGCTACAGTTTAAACATCAATGTTCTTCCAGTGTGTATGCCAAGTATTATTTGATCTTCGTCT
CTGGCAGAAAGCAAACAACCTGAGCTTCTCTGGAGCCCTAAGCAGAGAGCGTGCCACAAAGCTTGAGG
CCATCTCTCGTCTCTGTGAGGACAAGTACAAGGACCTGAGGAAACCCATGAGGAAGCGTTTACGAAGTGC
TGACAACCTGATTCTGCCAAGGTGGTCTCCAGCCATCATCTCTAA

ACGGTACGGGCGGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: BC023321



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Insert Size:	1026 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<u>BC023321</u> , <u>AAH23321</u>
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]