

## Product datasheet for **SC313027**

### Cyclin Y (CCNY) (NM\_145012) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Cyclin Y (CCNY) (NM_145012) Human Untagged Clone
Tag:	Tag Free
Symbol:	Cyclin Y
Synonyms:	C10orf9; CBCP1; CCNX; CFP1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene ORF sequence for NM\_145012 edited  
 ATGGGGAACTACTCTCGTGTGCTGCGTCCAGTCCCAAGCTCCGGAGGAATGCCAC  
 TCCCGGCTGGAGTCCTACCGGCCAGACACGGACCTGAGCCGCGAGGACACGGGCTGCAAC  
 CTGCAGCACATCAGCGACCGGGAGAACATAGACGATTTGAACATGGAATTCAATCCTTCA  
 GATCATCCTCGGGCCAGCACAATATTCCTCAGTAAATCTCAGACGGACGTGAGAGAAAAA  
 CGCAAGAGTCTCTTCAATTAACCATCATCCTCCAGGACAAATAGCAAGGAAATACAGTTCC  
 TGCTCCACCATTTTCTAGATGATAGCACAGTCAAGTCAACCAACCTCAAGTATACAATT  
 AAATGTGTCGCTCTTGAATATATTATCACATCAAAAACAGGGACCCAGATGGAAGGATG  
 CTCTTAGATATTTTTGATGAAAACTTCCACCTCTTTGAAATCCGAAGTCCACCAGAT  
 TATGACAAACACAACCCAGAGCAGAAGCAGATTTACCGGTTTCGTTCCGACACTGTTTCAGT  
 GCTGCTCAGCTGACGGCTGAATGTGCCATCGTCCACCTGGTGTACCTTGAAGACTTTTA  
 ACATACGCAGAGATAGATATCTGTCCGGCCAAGTGAAGCGGATTGTTTTAGGGGCGATC  
 CTGCTGGCCTCCAAGGTGTGGGATGACCAGGCTGTATGGAATGTGGATTACTGCCAGATC  
 CTGAAAGACATCAGGTGGAGGACATGAACGAGCTAGAGCGACAGTTTCTTGAATTGCTG  
 CAGTTCAACATCAATGTTCTTCCAGTGTCTATGCCAAGTATTATTTTGTCTTCTGTTCT  
 CTGGCAGAAGCGAACAACCTGAGCTTTCCCTTGGAGCCCTGAGCAGGGAGAGGGCTCAC  
 AAGCTTGAGGCCATCTCTCGCTCTGCGAGGACAAGTACAAGGACCTAAGAAGATCCGCG  
 AGGAAGCGCTCAGCCAGTGCAGACAACCTGACTCTGCCCGGTGGTCCCCAGCCATCATC  
 TCTTAA



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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_145012 unedited CTCATATAGGGCGGCCGCGATTCCGGCAGAGGCCGCGCCCGCGTCCACCCGCGCCCGC TCCCGGGGACTGGGAGAACAGGATAGCAGCAGGAGTCGGGGGGCCGCGAAGATGGGGAA CACTACCTCGTGTGCGTGTGTCAGTCCCAAGCTCCGGAGGAATGCCCACTCCCGGCT GGAGTCTACCGCCAGACACGGACCTGAGCCGCGAGGACACGGGCTGCAACCTGCAGCA CATCAGCGACCGGAGAACATAGACNATTTGAACATGGAATTCATCCTTCAGATCATCC TCGGGCCAGCACAAATATTCCTCAGTAAATCTCAGACGGACGTGAGAGAAAAACGCAAGAG TCTCTTACATTAACCATCATCCTCCAGGACAAATAGCAAGGAAATACAGTTCCTGCTCCAC CATTTTCTAGATGATAGCACAGTCAGTCAACCAACCTCAAGTATACAATTAATGTGT CGCTCTTGCAATATATTACACATCAAAAAACAGGGACCCAGATGGAAGGATGCTCTTAGA TATTTTTGATGAAAATCTTCACCCTCTTTCGAAATCCGAAGTGCCACCAGATTATGACAA ACACAACCCAGAGCAGAAGCAGATTTACCGGTTTCGTTCCGACACTGTTTCAGTGTGCTC AGCTGACGGCTGAATGTGCCATCGTCACCCTGGTGTACCTTGAAAGACTTTAACATACG CAGAGATANATATCTGTCCGGCCACTGGAAGCGGATTGTTTAGGGGCGATCCTGTGCTCT CCAAGGTGTGGGATGACCAGCTGTATGGAATGGTGAATACTGCCAGACCTGAAGACATAC GGGTGGAGACATGA
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_145012
<b>Insert Size:</b>	4000 bp
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<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>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_145012.3</a> , <a href="#">NP_659449.3</a>
<b>RefSeq Size:</b>	2135 bp
<b>RefSeq ORF:</b>	1026 bp
<b>Locus ID:</b>	219771
<b>UniProt ID:</b>	<a href="#">Q8ND76</a>
<b>Cytogenetics:</b>	10p11.21

**Domains:** CYCLIN, cyclin

**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]  
Transcript Variant: This variant (1) encodes the longest isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.