

## Product datasheet for **RR216371**

### **Cyc1 (NM\_001277194) Rat Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Cyc1 (NM_001277194) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cyc1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR216371 representing NM_001277194 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGC**C

ATGGCGGGCGGGCGGGCGGCTTCGCTTCGCCGATCGGTGCTAGGCCCGGGGCATGGGGCTTCAGGTG  
CAAGTGTCCGGCCTGCTGGCGGGCGCGGCCCGGCATCTCCATTACGGACACCGCAGGCAGTGTG  
CTTGTCCTCGAAGTCTGGCCCTTCGAGGCCGAAAGGTGATGCTGTGAGCCTGGGCATGCTGGCAGCA  
GGGGGTGCAGGGCTAGCTGTGGCCCTTCATTGCGCGGTGAGTGCCAGTGACCTGGAGCTGCACCCCCCA  
GCTACCCATGGTCTCACCGTGGCCTCCTCCTCCTTGGACCACACCAGCATTGCTAGGGGTTTCCAGGT  
ATACAAGCAGGTGTGCTCTTCTGCCACAGCATGGATTATGTGGCTTACCGCCACCTGGTGGGAGTGTGC  
TACACGGAGGAAGAAGCTAAGGCCTGGCTGAGGAGGTGGAGGTCCAGGATGGCCCTAATGAGGATGGGA  
ATATGTTTCATGCGGCCAGGAAGCTGTCTGACTATTTTCCAAAACCATACCCCAACCCTGAGGCTGCAAG  
AGCTGCTAACAATGGAGCTTTACCCCTGACCTCAGCTACATCGTTCGAGCAAGGCACGGTGGTGGAGC  
TATGTGTTTTCTTGCTCACTGGCTACTGTGAACCTCCACTGGGGTGCATTGCGAGAAGGCCTCTATT  
TCAACCTTACTTTCTTGCCAGGCCATTGGCATGGCTCCTCCCATCTACACAGAAGTCTTGAGGATATGA  
CGATGGTACCCAGCTACCATGTACAAGTAGCCAAGGATGTTGCCACCTTCTTCGCTGGGCATCAGAG  
CCAGAGCATGACCATCGAAAACGCATGGGACTCAAGATGTTGTTGATGATGGGCTTGCTGCTGCCCTGA  
CCTATGCCATGAAGCGGCATAAGTGGTCAGTCCTGAAGAGTCGAAAGCTGGCTTATCGGCCACCCAAG

**ACGCGT**ACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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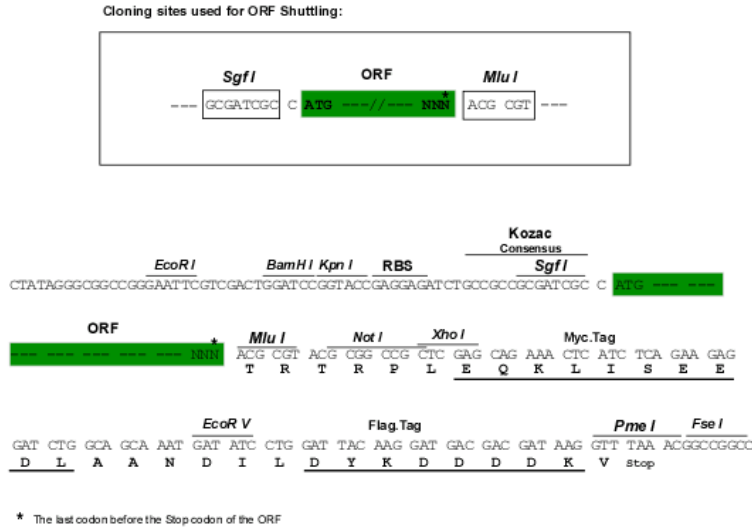
**Protein Sequence:** >RR216371 representing NM\_001277194  
 Red=Cloning site Green=Tags(s)

MAAAAAASLRRSVLGPRGMGLPGASAPGLLGGARPHLPLRTPQAVSLSSKSGPSRGRKVMLSALGMLAA  
 GGAGLAVALHSASDLELHPPSYPWHRGLLSSLDHTSIRRGFQVYKQVCSCHSMDYVAYRHLVGVC  
 YTEEEAKALAEVEVQDGNEDGNMFMRPGLSDYFPKYPNPEAARAANNALPPDLSYIVRARHGGED  
 YVFSLLTGYPEPTGVSLREGLYFNPFYFGQAIGMAPPITYTEVLEYDDGTPATMSQVAKDVATFLRWASE  
 PEHDKRMRMGLKMLLMMGLLLPLTYAMKRHKWSVLKSRKLAYRPPK

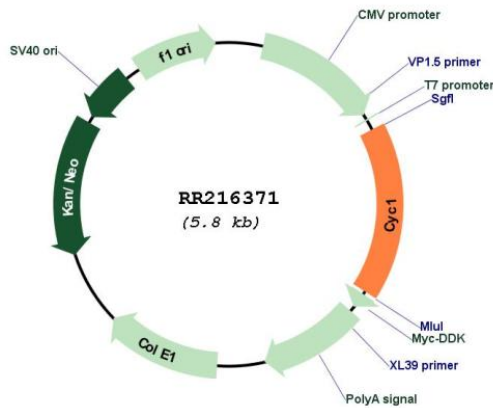
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001277194

<b>ORF Size:</b>	978 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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_001277194.1</a> , <a href="#">NP_001264123.1</a>
<b>RefSeq Size:</b>	1195 bp
<b>RefSeq ORF:</b>	981 bp
<b>Locus ID:</b>	300047
<b>Cytogenetics:</b>	7q34
<b>MW:</b>	35.4 kDa