

## Product datasheet for **RR207602**

### **Cwc27 (NM\_001013199) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Cwc27 (NM_001013199) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cwc27
Synonyms:	Sdccag10
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

**ORF Nucleotide Sequence:**

>RR207602 representing NM\_001013199  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGAGTAACATCTACATCCAGGAGCCGCCACGAATGGGAAGTTTTATTGAAAACACGGCTGGAGATA  
 TTGACATAGAGCTGTGGTCAAAAGAGGCCCTAAAGCATGCAGAAATTTCAATCAGCTTTGTTGGAGGC  
 CTAATATGACAACACCATTTTTTCATAGAGTCGTACCTGGCTTCATAGTCCAAGGTGGAGATCCCACAGGC  
 ACCGGGACTGGTGGAGAATCTGTCTATGGAGCCCCATTCAAGGATGAGTTTCACTCACGGTTGCGTTTTTA  
 ATAGGAGAGGACTGGTTGCCATGGCAAATGCCGGTCCACATGATAATGGCAGCCAGTTTTTCTTTACCTT  
 GGGTCGAGCAGATGAACTCAACAATAAGCACACCATCTTTGGAAAGGTTACAGGGGATACAGTGTACAAC  
 ATGCTACGCCTGCAGAGAAGTAGACATCGATGATGAAGAAAGACCCCGCAATCCACATAGAATCAAGAGTT  
 GTGAGGTTTTGTTAACCTTTTGTATGACATCATTCCAAGGAAATTAAGGAGCCCAAGAAAGAGAAGGC  
 AGAGGAAGAAATCAAGAAATGAAACCCAAAGGCACAAAAATTTTACTGTTACTGCTTTTGGAGAAGAA  
 GCTGAGGAGGAGGAGGAAAGTGAACCGAGTCAGTCAGAGCATGAAGGGGAGAAGTAAAGCAGCCATG  
 ACCTGCTGAAGGACGATCCGCATCTCAGCTCTGTCCCAGCCGTCGAAAGTAAAAAGATGATGCAACAGG  
 AGATTTAGAAGATGATGCTGAAGATGACAGTGTAGAGCATGATGGCTCCATGGAGGAGGATGAGAAGAAC  
 CTGATGAGAGAAAGAATCGCAAAACGGTTGAAGAAAGATGCAAGTGCCAATGTGAAGTCAGCCGGAGATG  
 GGGAGAAGAAGCCCGCAAGCCGAAGTGAAGAGCTCAGAAAAGAAGCAAGGCAATTAAGCCGGAACTCTT  
 AGCAGCAAAACAGAAAGAAAGTGCCACAAAAGCAGAGAAAGGAAAGTGAAGAGGAAGAAGCTGTCCCA  
 GATGGCCCTGTTGCAGAGTACAGGCGAGAAAAGCAGAAGTATGAAGCTTTGAGGAAGCAACAGCCCAAGA  
 AGGGAATTCCTGAGAGGATCAGACCTGGCAGTGTGAGCCAGTTTAAATCTAAGCTCACTCAAGCCAT  
 ACCCGAAATGCCTGAAAACCTGTGCTGAAGCAGAAGTTGAAGATGACGAAGGCTGGATGTCCACGTCGTC  
 CAGTTTGAAGACAAGACCCGGAAGGTGAAAGACGCAAGCATGCAGGACTCAGACACGTTTGTAGATCTATG  
 ATCCCGGAATCCAGTGAACAAAAGAAGGAGGGAGAAAGCAAAAACTGCTGAGAGAGAAAAAGGAAAG  
 GCGG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR207602 representing NM\_001013199  
 Red=Cloning site Green=Tags(s)

MSNIYIQEPPTNGKVLKTTAGDIDIELWSKEAPKACRNFIQLCLEAYYDNTIFHRVVPGFIVQGGDPTG  
 TGTGGESVYGAPFKDEFHSRLRFNRRGLVAMANAGPHDNGSQFFFTLGRADELNNKHTIFGKVTGDTVYN  
 MLRLTEVDIDDEERPRNPHRIKSCEVLFNPFDDIIPREIKKPKKEKAEIEIKKLPKGTKNFSLLSFGEE  
 AEEEEEVNRVSQSMKGRSKSSHDLKDDPHLSSVPAVESEKDDATGDLEDDAEDDSVEHDGSMEEDEKN  
 LMRERIAKRLKGDASANVKSAGDGEKPPASRSEELRKEARQLKRELLAAKQKESATKAIEGSEEEAVP  
 DGPVAEYRREKQKYEALRKQPKKGT SREDQTLALLSQFKSKLTQAITEMPENCAEAEVEDEGWMSHVL  
 QFEDKTRKVKDASMQDSDTFEIYDPRNPVNKRREE SKKLLREKKERR

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

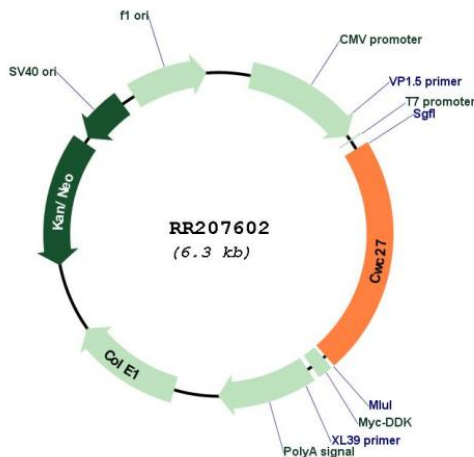
**Restriction Sites:**

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM\_001013199

ORF Size:

1404 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:**

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\\_001013199.1](#), [NP\\_001013217.1](#)

**RefSeq Size:** 1852 bp

**RefSeq ORF:** 1407 bp

**Locus ID:** 361887

**UniProt ID:** [Q5XIB2](#)

**Cytogenetics:** 2q12

**MW:** 53.3 kDa

**Gene Summary:** As part of the spliceosome, plays a role in pre-mRNA splicing. Probable inactive PPlase with no peptidyl-prolyl cis-trans isomerase activity.[UniProtKB/Swiss-Prot Function]