

## Product datasheet for **RR205294**

### Cdc26 (NM\_001013240) Rat Tagged ORF Clone

#### Product data:

Product Type: Expression Plasmids

Product Name: Cdc26 (NM\_001013240) Rat Tagged ORF Clone

Tag: Myc-DDK

Symbol: Cdc26

Synonyms: BWK-2

Vector: pCMV6-Entry (PS100001)

E. coli Selection: Kanamycin (25 ug/mL)

Cell Selection: Neomycin

ORF Nucleotide Sequence: >RR205294 representing NM\_001013240  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCTGCGACGAAAGCCAACCTCGCCTGGAGCTCAAGCTCGATGACATTGAGGAGTTCGAGAACATTCGAA  
AGGACCTGGAGGCCCGTAAGAAACAGAAGGAAGATGTGGAAGGTGTAGGAACTAGCGATGGAGAAGGAGC  
TGCTGGGCTCAGCAGTGACCCCAAGAGCCGGGAACAAATGATTAATGATCGAATTGGTTATAAACCCCAA  
CTAAGACCAACAACCGCACATCTCAGTTTGAAATTTGAATTT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR205294 representing NM\_001013240  
Red=Cloning site Green=Tags(s)

MLRRKPTRLELKLDDIEEFENIRKDLARKKQKEDVEGVGTSDEGAAGLSSDPKSREQMINDRIGYKPKQ  
LKTNNRTSQFGNFEF

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



[View online »](#)



<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>	<u><a href="#">NM_001013240.2</a></u> , <u><a href="#">NP_001013258.1</a></u>
<b>RefSeq Size:</b>	1601 bp
<b>RefSeq ORF:</b>	258 bp
<b>Locus ID:</b>	366381
<b>UniProt ID:</b>	<u><a href="#">Q6YDN7</a></u>
<b>Cytogenetics:</b>	5q24
<b>MW:</b>	9.8 kDa
<b>Gene Summary:</b>	Component of the anaphase promoting complex/cyclosome (APC/C), a cell cycle-regulated E3 ubiquitin ligase that controls progression through mitosis and the G1 phase of the cell cycle. The APC/C complex acts by mediating ubiquitination and subsequent degradation of target proteins: it mainly mediates the formation of 'Lys-11'-linked polyubiquitin chains and, to a lower extent, the formation of 'Lys-48'- and 'Lys-63'-linked polyubiquitin chains. May recruit the E2 ubiquitin-conjugating enzymes to the complex (By similarity).[UniProtKB/Swiss-Prot Function]