

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 >RR205294 representing NM_001013240
Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

CTTAAGACCAACACCGCACATCTCAGTTTGGAAATTTTGAATTT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGGATCTGGCAGCAAATGATATCCTGGATT

ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR205294 representing NM_001013240

Red=Cloning site Green=Tags(s)

 ${\tt MLRRKPTRLELKLDDIEEFENIRKDLEARKKQKEDVEGVGTSDGEGAAGLSSDPKSREQMINDRIGYKPQ}$

LKTNNRTSQFGNFEF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-Mlul



OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

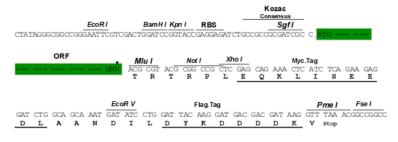
CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com



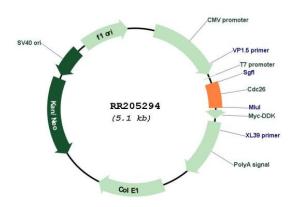
Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_001013240

ORF Size: 255 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

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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: <u>NM 001013240.2</u>, <u>NP 001013258.1</u>

 RefSeq Size:
 1601 bp

 RefSeq ORF:
 258 bp

 Locus ID:
 366381

 UniProt ID:
 Q6YDN7

 Cytogenetics:
 5q24

 MW:
 9.8 kDa

Gene Summary: 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]