

Product datasheet for **MR223434**

Cdc27 (NM_145436) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|------------------------------------------|
| Product Type: | Expression Plasmids |
| Product Name: | Cdc27 (NM_145436) Mouse Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Cdc27 |
| Synonyms: | A1452358; APC3; BC023187 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



[View online »](#)

ORF Nucleotide Sequence:

>MR223434 representing NM_145436
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACGGTGTGCAGAACCTGTCCAGGCTGTATATGGCAAGCGCTAAACCACTATGCTTACCGAGATG
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Protein Sequence: >MR223434 representing NM_145436
Red=Cloning site Green=Tags(s)

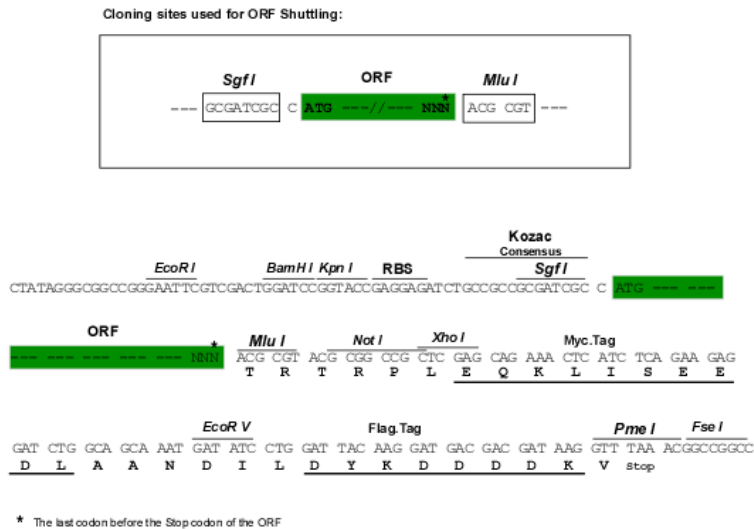
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HLP SHYSTGWVLCQIGRAYFELSEYMQAERIFSEVRRIESFRVEGMEIYSTTLWHLQKDVALSVLSKDL
TMDKNSPEAWCAAGNCSLQREHDAIKFFQRAIQVDPNYAYAYTLGHEFVLTEELDKALACFRNAIR
VNPRHYNAWYGLGMIYYKQEKFLAEMHFQKALDINPQSSVLLCHIGVVQHALLKSEKALDTLNKAIVID
PKNPLCKFHRSVLFANEKYKSALQEELKQIVPKESLVYFLIGKVYKKGQTHLALMNF SWAMDLPK
GANNQIKEAIDKRYLPDDEEPI TQEEQIMGTDESQESSMTDADDTQLHAAESDEF

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9040_e10.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_145436

ORF Size: 2475 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_145436.2](#), [NP_663411.2](#)

RefSeq Size: 5783 bp

RefSeq ORF: 2478 bp

Locus ID: 217232

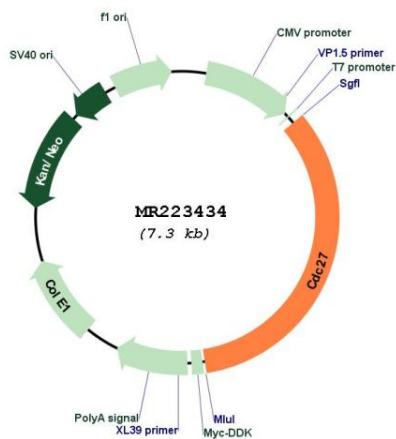
UniProt ID: [A2A6Q5](#)

Cytogenetics: 11 67.79 cM

MW: 92.3 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 (By similarity). [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR223434