

## Product datasheet for MR224681

### Ccndbp1 (NM\_010761) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ccndbp1 (NM_010761) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ccndbp1
Synonyms:	AU022347; DIP1; GCIP; Maid; SECC-8; SSEC-8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR224681 representing NM_010761 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCCGATCGCC

ATGGCGAGCTCGACAGCCGAGTCCCCTTCCTTGCTCCGCTCTGGAGCAGCTCCGGCACTTAGCAGAGGAGCTACGGTCACTTTCGCTCGAGTACGGGTCGGCGAAGCCAGGAGACAGCGGAGGAATTAATCGAGAAATGTTTTGGAGAAGACTCAATGAGGCAGCAGTAAAAGTGAACGGGGAAGCCACTGTTCTGACAACGCATTTCTAAACTTCCATGGCCATCTCCACAGGAAACCCAGAGGATCTGTGAGCAAGTCCGTATTGCCATCGAGGAAATAATTATAGTGTATTATCACTTCTAAGGACCAGGGAATCACCTGAGAAAGCTGGTACGGAAATGCTGCCCTGGACATCGTGGACGGCATGGCTCAGCTCCTGGAAGTGTCTTACTGCTCCATCTCAGAGCCTGAGAAATGGTACCTGATTTCTGCAATAGTGTCTCAGTCGCATGTCAACAGGTGCCTGAGATCCCAAAGATAACAAAGCCGAGCCCTTTTGTGCTGACCAAGAGTGTGGATTTGTGAAAGATGCACATGAAGAATGGAGCAGGCTGTAGAAGAAATGTGACCCGTACAGCGGCTCTTGAATGATTCTGAAGACAACCTCCGACAGCCACAGTGATGAGGATGGTGTGTTAGGGCTCCCAGCAATCGGGACTCATACTGGTCAGAGGAAGATCAAGAACTATAATCCCGTGCCTGGCGCTGGTGAGAGCATCCCAGCTTCACTCAAGAAAAATCCGGATCTTGGTGGCTGAGAATGGAAGAAGGATGAGGTGGCCAGCTGGATGACATTGTGGACATTTCTGATGAGATCAGCCCAAGTGTGGATGACTTGGTTCTGAGCATATACCCACCTGTGTGCCACCTCACTGTGCGGATCAGTTCTGCGAAATTGGTGTCTGTTTTAATAAAGGCTCTTGAATTAACAAAAGCAAGTCAGTGAAGCCCAAGCAGGAGATAGCTGGATTCCTTACTCATTAAATGCCGTTGACCATTGCATGAACAGAATTAAGGCGCTCACTCAGCGTGACGCTGAACTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATTACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR224681 representing NM\_010761  
Red=Cloning site Green=Tags(s)

MASSTAAVPFLAPPLEQLRHLAEELRSLLPVRVGEAQETAEEFNREMFWRRLNEAAVKVNGEATVLTTH  
 FSKLPWPSPQETQRICEQVRIAIEEIIIVYSLPKDQGITLRKLVRNAALDIVDGMAQLLEVLTTAPSQS  
 TENGDLISCNSVSVACQQVPEIPKDNKAAALLMLTKSVDFVKDAHEEMEQAVEECDPYSGLLNDSEDNSD  
 SHSDEDGLGLPSNRDSYWSEEDQELIIPCLALVRASRSLKKIRILVAENGGKDEVAQLDDIVDISDEI  
 SPSVDDLVL SIYPPVCHLTVRISSAKLVSVLIKALEITKASHVSPHPGDSWIPLLINAVDHCMMRIKALT  
 QRAAEL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9058\\_a05.zip](https://cdn.origene.com/chromatograms/mm9058_a05.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_010761

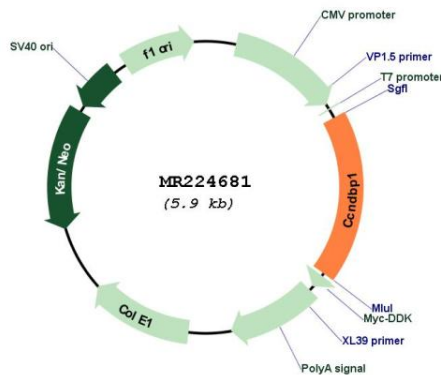
**ORF Size:** 1068 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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\\_010761.2](#), [NP\\_034891.2](#)
- RefSeq Size:** 1572 bp
- RefSeq ORF:** 1071 bp
- Locus ID:** 17151
- UniProt ID:** [Q3TVC7](#)
- Cytogenetics:** 2 60.37 cM
- MW:** 39.4 kDa
- Gene Summary:** May negatively regulate cell cycle progression. May act at least in part via inhibition of the cyclin-D1/CDK4 complex, thereby preventing phosphorylation of RB1 and blocking E2F-dependent transcription (By similarity). May be required for hepatocyte proliferation. [UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR224681