

Product datasheet for **MG224681**

Ccndbp1 (NM_010761) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ccndbp1 (NM_010761) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Ccndbp1
Synonyms: AU022347; DIP1; GCIP; Maid; SECC-8; SSEC-8
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG224681 representing NM_010761
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTTTGGAGAAGACTCAATGAGGCAGCAGTGAAAGTGAACGGGGAAGCCACTGTTCTGACAACGCACT
TCTCTAAACTTCCATGGCCATCTCCACAGGAAACCCAGAGGATCTGTGAGCAAGTCCGTATTGCCATCGA
GGAAATAATTATAGTGTATTATTCACCTCCTAAGGACCAGGGAATCACCTGAGAAAGCTGGTCCGGAAT
GCTGCCCTGGACATTGTGGACGGCATGGCTCAGCTCCTGGAAGTGCTTCTTACTGCTCCATCTCAGAGCA
CTGAGAATGGTGACCTGATTTCTGCAATAGTGTCTCAGTCGCATGCCAACAGGTGCCTGAGATCCCAAA
AGATAATAAAGCCGACGCCCTTTTGATGCTGACCAAGAGTGTGGATTTTGTGAAAGATGCACATGAAGAA
ATGGAGCAGGCTGTAGAAGAATGTACCCGTACAGCGGCCTCTTGAATGATTCTGAAGACAACCTCCGACA
GCCACAGTGACGAGGATGGTGTGTTAGGGCTTCCAGCAATCGGGACTCATACTGGTCAGAGGAAGATCA
AGAACTCATAATCCCGTGCCTGGCGCTGGTGAGAGCATCCCGAGCTTCGCTCAAGAAAAATCCGGATCTTG
GTGGCTGAGAATGGAAAGAAGGATGAGGTGGCCAGCTGGATGACATTGTGGACATTTCTGATGAGATCA
GCCCCAGTGTGGATGACTTGGTTCTGAGCATATACCCACCTGTGTGCCACCTCACTGTGCCGATCAGTTC
TGCGAAATTGGTGTCTGTTTTAATAAAGGCTCTTGAATTACAAAAGCAAGTCACGTGAGCCCCACCCA
GGAGATAGCTGGATTCTTTACTCATTAAATGCTGTTGACCATTGCATGAACAGAATTAAGCGGCTCACTC
AGCGTGACGCTGAACTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG224681 representing NM_010761
 Red=Cloning site Green=Tags(s)

MFWRRLNEAAVKVNGEATVLTTHFSKLPWPSPQETQRICEQVRIAIEEIIIVYVSLPKDQGITLRKLV
 AALDIVDGMALQLEVLITAPSQSTENGDLISCNVSVACQVPEIPKDNKAAALLMLTKSVDFVKDAHEE
 MEQAVEECDPYSGLLNDSSEDSHSDGVLGLPSNRDSYWSEEDQELIIPCLALVRASRSLKKIRIL
 VAENGGKDEVAQLDDIVDISDEISPSVDDLVLSTIYPPVCHLTVRISSAKLVSVLIKALEITKASHVSPHP
 GDSWIPLLLINAVDHCNRIKALTQRAAEL

TRTRPLE - GFP Tag - V

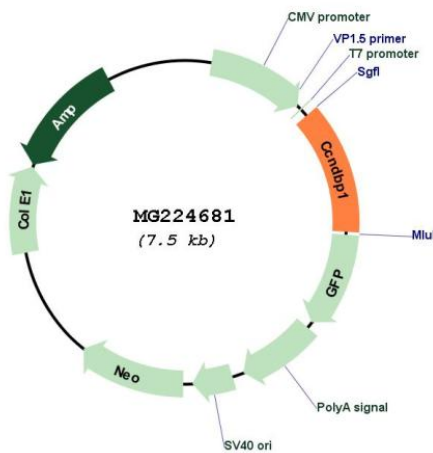
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_010761

ORF Size: 1068 bp

OTI Disclaimer:	<p>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 or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
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:	<ol style="list-style-type: none"> 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
Gene Summary:	<p>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]</p>