

Product datasheet for **RG202006**

CCNDBP1 (NM_012142) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CCNDBP1 (NM_012142) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CCNDBP1
Synonyms:	DIP1; GCIP; HHM
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG202006 representing NM_012142 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGAGCGCAACTGCACCTGCAGCCGAGTCCCACCCTGGCTTCGCCTTTGGAGCAGCTCCGGCACT
TGGCGGAGGAGCTGCGGTTGCTCCTGCCTCGAGTGCGGTTCGGCGAAGCCAGGAGACCACCGAGGAGTT
TAATCGAGAGATGTTCTGGAGAAGACTCAATGAGGCAGCTGTGACTGTGTCAAGGGAAGCCACGACTCTG
ACCATAGTCTTCTCAGCTTCCACTGCCGTCTCCACAGGAAACCAGAAGTTCTGTGAACAAGTCCATG
CTGCCATCAAGGCATTTATTGCAGTGTACTATTTGCTTCAAAGGATCAGGGGATCACCTGAGAAAAGCT
GGTACGGGGCGCCACCCTGGACATCGTGGATGGCATGGCTCAGCTCATGGAAGTACTTTCGGTCACTCCA
ACTCAGAGCCCTGAGAACAATGACCTTATTTCTACAACAGTGTCTGGTTGCGTGCCAGCAGATGCCTC
AGATACCAAGAGATAACAAAGCTGCAGCTTTTTGATGCTGACCAAGAATGTGGATTTTGTGAAGGATGC
ACATGAAGAAATGGAGCAGGCTGTGGAAGAATGTGACCTTACTCTGGCCTTTGAATGATACTGAGGAG
ACAACCTCTGACAACCACAATCATGAGGATGATGTGTTGGGTTTCCCAGCAATCAGGACTTGTATTGGT
CAGAGGACGATCAAGAGCTCATAATCCCATGCCTTGCCTGGTGGAGCATCAAAGCCTGCCTGAAGAA
AATTCGGATGTTAGTGGCAGAGAATGGGAAGAAGGATCAGGTGGCACAGCTGGATGACATTGTGGATATT
TCTGATGAAATCAGCCCTAGTGTGGATGATTTGGCTCTGAGCATATACCACCTATGTGTACCTGACCG
TGCGAATCAATCTGCGAACTTGATCTGTTTTAAAGAAGGCACTTGAATTACAAAAGCAAGTCATGT
GACCCCTCAGCCAGAAGATAGTTGGATCCCTTTACTTATTAATGCCATTGATCATTGCATGAATAGAATC
AAGGAGCTCACTCAGAGTGAACCTGAATTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG202006 representing NM_012142
 Red=Cloning site Green=Tags(s)

MASATAPAAAVPTLASPLEQLRHLAEELRLLLPRVVRVGEAQETTEEFNREMFWRRLNEAAVTVSREATTL
 TIVFSQLPLPSPQETQKFCEQVHAAIKAFIAVYLLPKDQGITLRKLVRGATLDIVDGMQLMEVLSVTP
 TQSPENNDLISYNSVWVACQMPQIPRDNKAAALLMLTKNVDFVKDAHEEMEQAVEECDPYSGLLNDTEE
 NNSDNHNHEDDVLGFPSNQDLYWEEDDQELIIPCLALVRASKACKKIRMLVAENGGKQVAQLDDIVDI
 SDEISPSVDDLALSIYPPMCHLTVRINSAKLVSVLKKALEITKASHVTPQPEDSWIPLLINAIDHCMNRI
 KELTQSELEL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_012142

ORF Size: 1080 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_012142.5](#)

RefSeq Size: 1615 bp

RefSeq ORF: 1083 bp

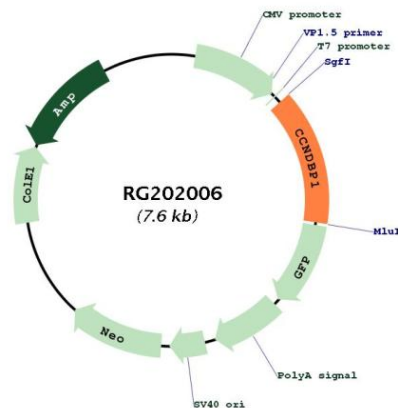
Locus ID: 23582

UniProt ID: [O95273](#)

Cytogenetics: 15q15.2

Gene Summary: This gene was identified by the interaction of its gene product with Grap2, a leukocyte-specific adaptor protein important for immune cell signaling. The protein encoded by this gene was shown to interact with cyclin D. Transfection of this gene in cells was reported to reduce the phosphorylation of Rb gene product by cyclin D-dependent protein kinase, and inhibit E2F1-mediated transcription activity. This protein was also found to interact with helix-loop-helix protein E12 and is thought to be a negative regulator of liver-specific gene expression. Several alternatively spliced variants have been found for this gene. [provided by RefSeq, Apr 2009]

Product images:



Circular map for RG202006