

## Product datasheet for **SC110316**

### CCNDBP1 (NM\_012142) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CCNDBP1 (NM_012142) Human Untagged Clone
Tag:	Tag Free
Symbol:	CCNDBP1
Synonyms:	DIP1; GCIP; HHM
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC110316 sequence for NM_012142 edited (data generated by NextGen Sequencing)

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ATGGCGAGCGCAACTGCACCTGCAGCCGAGTCCCCACCCTGGCTTCGCCTTTGGAGCAG
CTCCGGCACTTGGCGGAGGAGCTGCGGTTGCTCCTGCCTCGAGTGCGGGTCGGCGAAGCC
CAGGAGACCACCGAGGAGTTAATCGAGAGATGTTCTGGAGAAGACTCAATGAGGACAGCT
GTGACTGTGTCAAGGGAAGCCACGACTCTGACCATAGTCTTCTCTCAGCTTCCACTGCCG
TCTCCACAGGAAACCCAGAAGTCTGTGAACAAGTCCATGCTGCCATCAAGGCATTTATT
GCAGTGTACTATTTGCTTCAAAGGATCAGGGGATCACCTGAGAAAGCTGGTACGGGGC
GCCACCCTGGACATCGTGGATGGCATGGCTCAGCTCATGGAAGTACTTTCCGTCCTCCA
ACTCAGAGCCCTGAGAACAATGACCTTATTTCTACAACAGTGTCTGGGTTGCGTGCCAG
CAGATGCCTCAGATACCAAGAGATAACAAAGCTGCAGCTCTTTTGATGCTGACCAAGAAT
GTGGATTTTGTGAAGGATGCACATGAAGAAATGGAGCAGGCTGTGAAGAATGTGACCCT
TACTCTGGCCTCTTGAATGATACTGAGGAGAACAACCTCTGACAACCACAATCATGAGGAT
GATGTGTTGGGGTTTCCCAGCAATCAGGACTTGTATTGGTCAGAGGACGATCAAGAGCTC
ATAATCCCATGCCTTGCCTGGTGAGAGCATCCAAAGCCTGCCTGAAGAAAATTCGGATG
TTAGTGGCAGAGAATGGGAAGAAGGATCAGGTGGCACAGCTGGATGACATTGTGGATATT
TCTGATGAAATCAGCCCTAGTGTGGATGATTTGGCTCTGAGCATATATCCACCTATGTGT
CACCTGACCGTGCGAATCAATTTGCGAAACTTGTATCTGTTTTAAAGAAGGCACCTTGAA
ATTACAAAAGCAAGTCATGTGACCCCTCAGCCAGAAGATAGTTGGATCCCTTTACTTATT
AATGCCATTGATCATTGCATGAATAGAATCAAGGAGCTCACTCAGAGTGAACCTGAATTA
TGA

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Clone variation with respect to NM\_012142.4



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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_012142 unedited            GAATTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGGTCGCAGTGCG            GCTCCGGCAGTGGCAGCGGAGGCCTGTGTTTGGCGCCTTCGGCAAGCGACTGAGATGGCG            AGCGCAACTGCACCTGCAGCCGAGTCCCACCCTGGCTTCGCCTTTGGAGCAGCTCCGG            CACTTGGCGGAGGAGCTGCGGTTGCTCTGCCTCGAGTGGGGTCGGCGAAGCCCAGGAG            ACCACCCAGGAGTTTAATCGAGAGATGTTCTGGAGAAGACTCAATGAGGCAGCTGTGACT            GTGTCAAGGGAAGCCACGACTCTGACCATAGTCTTCTCTCAGCTTCCACTGCCGCTCCA            CAGGAAACCCAGAAGTTCTGTGAACAAGTCCATGCTGCCATCAAGGCATTTATTGCAGTG            TACTATTTGCTTCCAAAGGATCAGGGGATCACCCCTGAGAAAGCTGGTACGGGGCGCCACC            CTGGACATCGTGGATGGCATGGCTCAGCTCATGGAAGTACTTTCCGCTCACTCCAACCTCAG            AGCCCTGAGAACAATGACCTTATTTCTACAACAGTGTCTGGGTTGCGTGCCAGCAGATG            CCTCAGATACCAAGAGATAACAAAGCTGCAGCTCTTTTGATGCTGACCAAGAATGTGGAT            TTTGTGAAGGATGCACATGAAGAAATGGAGCAGGCTGTGGAAGAATGTGACCCTTACTCT            GGCCTCTTGAAGATACTGAGGAGAACAACCTCTGACAACCACAATCATGAGGATGATGTGT            TTGGGGTTTCCCAGCAATCAGGACTTGTATTGGTCAGAGGACGATCAAGACTCATTATCC            CATGCCTTGCCTGGTGAGAGATCCCAAGCCTGCCTGAAGAC</p>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_012142 unedited            GCCGCTTCTAGAGTCGAGNTTTTTTTTTTTTTTTTTTTTTTAAATCCTGGCAAGTTAGCA            TTTTATTGAGACCATCAACATCTCTTACAATGGAAAACAACATACTTTACTGCAAAAAGA            GAATAAGGCAGCTTCTAGGAATCTCTGAGAAATGACTCAGGAATGAGAAATCATGCAA            TTATTTTTCATATATAGCACAGAAAAATATACGCATATGGTTTATAAATAGGTGTCAATC            TGGCCTAACCAACAATCTTTGGTAATAGTGTCTTTGCTAAATATAGATAGGCACTCCCT            TTCAATCCAGCAAGCATTCTAGCTCCATTTTAAAAGCAGGTATCAGAGCCTGACCATGAC            GATGAGAGGGGAAGAGAGTACAAATGAGCCTGAAAAGTCATAATTCAGTTCACTCTGAG            TGAGCTCCTTGATTCTATTATGCAATGATCAATGGCATTAAATAAGTAAAGGGATCCAAC            TATCTTCTGGCTGAGGGGTCACATGACTTGCTTTTGTAAATTTCAAGTGCCTTCTTTAAAA            CAGATACAAGTTTCGCAGAATTGATTCGCACGGTCAGGTGACACATAGGTGGATATATGC            TCAGAGCCAAATCATCCACACTAGGGCTGATTTTCATCAGAAATATCCACAATGTCATCCA            GCTGGGCCACCTGATCCTTCTCCCATTTCTGCCACAACATCCGAATTTTCTTAAAGCAT            GCCTTTGGATGCTCTACCAACGCAAGCCATGGGATTATGAGCCTTTGACCGTCTCTG            AACAAACAAGTCTGATTGCTGGGAACCCCAACACATCCTCATGATTGGGGTGGCAG            AGGTGTCCCCCTATTTCAATTCAGGAGCANAGTAAGGTCAAATTCCTCCAGTGTGTCC            ATTTCTTAGGGCATCCTTCAAAAATCACATTTTGCCAAACACACAGATCGGACTTTGTTA            TTCTTGAACCGGGCAT</p>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_012142
<b>Insert Size:</b>	1600 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>Components:</b>	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\\_012142.2](#), [NP\\_036274.2](#)

**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]  
Transcript Variant: This variant (1) represents the longest transcript and encodes the supported protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.