

Product datasheet for **SC113101**

DCUN1D1 (NM_020640) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DCUN1D1 (NM_020640) Human Untagged Clone
Tag:	Tag Free
Symbol:	DCUN1D1
Synonyms:	DCNL1; DCUN1L1; RP42; SCCRO; SCRO; Tes3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC113101 sequence for NM_020640 edited (data generated by NextGen Sequencing)

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ATGAACAAGTTGAAATCATCGCAGAAGGATAAAGTTCGTCAGTTTATGATCTTCACACAA
TCTAGTGAAAAACAGCAGTAAGTTGTCTTTCTCAAATGACTGGAAGTTAGATGTTGCA
ACAGATAATTTTTCCAAAATCCTGAACTTTATATACGAGAGAGTGTAAGGATCATTG
GACAGGAAGAAGTTAGAACAGCTGTACAATAGATACAAAGACCCTCAAGATGAGAATAAA
ATTGGAATAGATGGCATAACAGCAGTTCTGTGATGACCTGGCACTCGATCCAGCCAGCATT
AGTGTGTTGATTATTGCATGGAAGTTCAGAGCAGCAACACAGTGCAGTTCTCCAAACAG
GAGTTCATGGATGGCATGACAGAATTAGGATGTGACAGCATAGAAAACTAAAGGCCAG
ATACCCAAGATGGAACAAGAATTGAAAGAACCAGGACGATTTAAGGATTTTTACCAGTTT
ACTTTTAATTTTGCAAAGAATCCAGGACAAAAAGGATTAGATCTAGAAATGGCCATTGCC
TACTGGAACCTTAGTGCTTAATGGAAGATTTAAATCTTAGACTTATGGAATAAATTTTG
TTGGAACATCATAACGATCAATACAAAAGACACTTGGAACTCTCTTTTAGACTTCAGT
ACGATGATTGCAGATGACATGTCTAATTATGATGAAGAAGGAGCATGGCCTGTTCTTATT
GATGACTTTGTGGAATTTGCACGCCCTCAAATTGCTGGGACAAAAAGTACAACAGTGTAG
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Clone variation with respect to NM_020640.2
318 g=>a



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_020640 unedited</p> <pre> NTTTCGGGATTTGTATACGATTCACATATAGGCGGCCGGAATTCGCACGAGGCGGAGCCG GAGGAGGAGGGGAGAGGCCTGNGAGACCAACATGAACAAGTTGAAATCATCGAGAAG GATAAAGTTCGTCAGTTTATGATCTTCACACAATCTAGTAAAAAACAGCAGTAAGTTGT CTTTCTCAAAATGACTGGAAGTTAGATGTTGCAACAGATAATTTTTTCCAAAATCCTGAA CTTTATATACGAGAGAGTGTAAAAGGATCATTGGACAGGAAGAAGTTAGAACAGCTGTAC AATAGATACAAAAGACCCTCAAGATGAGAATAAAATTGGAATAGATGGCATACAGCAGTTC TGTGATGACCTGGCACTCGATCCAGCCAGCATTAGTGTGTTGATTATTGCATGGAAGTTC AGAGCAGCAACACAGTGCAGATTCTCCAAAACAGGAGTTCATGGATGGCATTGACAGAATTA GGATGTGACAGCATAGAAAAACTAAAGGCCAGATACCCAAGATGGAACAAGAATTGAAA GAACCAGGACGATTTAAGGATTTTTACCAGTTTACTTTTTAATTTTGCAAAGAATCCAGGA CAAAAAGGATTAGATCTAGAAATGGCCATTGCCTACTGGAACCTAGTGCTTAATGGAAGA TTTANATCTTAGACTTATGGAATAAATTTTTGTTGGAACATCATAAACGATCAATACCA AAAGACACTTGGAACTCTCTTTTAGACTTCAGTACGATGATTGCAGATGACATGTCTAAT TATGATGAAGAAGGAGCATGGCCTGNTCTTATTGATGAACCTTGTGGAATTGCACGCCCT CAATTGCTGGGACAAAAGTACACAGTGTAGCACTAAAGGACCCTCTAGAATGTCCTAGTC TGTACATN </pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_020640 unedited</p> <pre> GGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTAGTCATGGCAATTTCACTGCAG CTTTTATTGCCTCTGTTGGTAATATGACAGGGACTGTAAGAAACACAATTGAACTTACAG AGATATGCAGATGATATTCATAAAGATAATCTTCATCTCAAGTATTTTTATATGTGGG CACTTCTAATTTTATACATTTTTCTATTTAAAAAGCATTACATTTTAAAAATTTGTACCTG TTTTGACATTTGGCAAAAAGGAAACTGTACCTATGGTTCAAGTTTAAAACAAGAATCAGC ATGGGGAGTTTACCGAATGAGGACTGAAACACTTAGGAGTTAAAGCAATTCAAGGGGCG TGTGTGTGTCTCTCCCTTCTCTGTCAATCTCTCTCACTCTCTCTGGCTCTCTCACAGAC ACAGACTCAAACACACAGCCATATGTGTAATCATTTTTAGTACAAAATATTCCTGTA GCCAGACATTTATCTTCAGAATAATCACACCACATTAATCAGTCTTCTCTTTTCAGCCC TAGTAAAAGTTTTGTTTAAATCTAAGATGCCATCATAGTGAACAACCTTNACTNNTATGC TACATANNATATATTTCAAAGCTTTATGTATTTTTGTTTATAATTACACAGTAATTATAA ATGTTTAGTACCAACCTGATGACAAAACACTATTTTTGTGGAAAAGGTTTTGCATTTAAAA AGAAAAATATGTAATAATCCAAGGCACTAGGCCACCGACCAATTTGACTTTTTAAAGGAAAC ACTTTATTTTGGAAAAAAGGCTATGGGGATCTCATTTCAAACCCAGA TTTGTGAATTAATCATCTTGACCCCATACCTTACCTCAAATCTTCAAGACCGGAACAAAA CGGGCTTTTTTTGATTTGGATTATTTCTTTTTAAATCTCAATTTGAAGTTCTTTT ATATTCAAAAACGGGATACTGGAGCGCAGATTTTCTTCTTTTCTTTATACCATTC GGCCGAATGATTTTCAATTTCTTTGAAAACGG </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_020640
Insert Size:	3520 bp
OTI Disclaimer:	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).
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_020640.2](#), [NP_065691.2](#)

RefSeq Size: 3192 bp

RefSeq ORF: 780 bp

Locus ID: 54165

UniProt ID: [Q96GG9](#)

Cytogenetics: 3q26.33

Domains: DUF298

Protein Families: Druggable Genome

Gene Summary: Part of an E3 ubiquitin ligase complex for neddylation. Promotes neddylation of cullin components of E3 cullin-RING ubiquitin ligase complexes. Acts by binding to cullin-RBX1 complexes in the cytoplasm and promoting their nuclear translocation, enhancing recruitment of E2-NEDD8 (UBE2M-NEDD8) thioester to the complex, and optimizing the orientation of proteins in the complex to allow efficient transfer of NEDD8 from the E2 to the cullin substrates. Involved in the release of inhibitory effects of CAND1 on cullin-RING ligase E3 complex assembly and activity (PubMed:25349211, PubMed:28581483). Acts also as an oncogene facilitating malignant transformation and carcinogenic progression (By similarity). [UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (1) encodes the longer isoform (1). 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.