

Product datasheet for **RR212059**

Dcun1d5 (NM_001009696) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Dcun1d5 (NM_001009696) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Dcun1d5
Synonyms: RGD1307008
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR212059 representing NM_001009696
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCAGTGAAGAAGAAGAGAAAAGCTCCCGGAGTGCCAGCGCGGTCCGGAAGACGGGGCCTCAAAA
AGTGTAATAATCTCCAGCTATTGCAGATCCAGCCTCCTGCTAGACTCATCAGTGGAGAGGAAGATTTTTC
AAGAAAGAAGTGCCTGGCTTGGTTTTATGAGTATGCAGGTCCTGATGAAGTTGTAGGGCCAGAAGGAATG
GAAAAGTTTTGTGAAGACATTGGTGTGAACCTGAAAATATTATTATGTTAGTTTTAGCGTGAAAATTGG
AGGCTGAAAGCATGGGATTTTTACCAAGGAAGAATGGTTAAAGGGAATGACTTCATTACAGTGTGACTG
CACAGAAAAGTTACAAAGCAGGTTTGACTTCTGCGCTCACAGCTGAACGACATCTCGTCATTTAAGAAC
ATCTACAGATACGCCTTTGATTTTGCAAGGGATAAAGATCAGAGAAGCCTTGATATTGACTGCTAAGT
CTATGCTAGCTCTGCTGCTTGGGAGGACGTGGCCACTTTTTTCAGTATTTTACCAGTACCTGGAGCAATC
AAAGTATCGTGTATGAACAAAGATCAGTGGTACAATGTATTAGAATTCAGCAGAACAGTTTCATGCCGAT
CTTAGTAACACGATGAAGACGGCGCTTGGCCTGTTCTTCTTGATGAGTTTGTGAGTGGCAAAAAATCC
GTCAAACATCA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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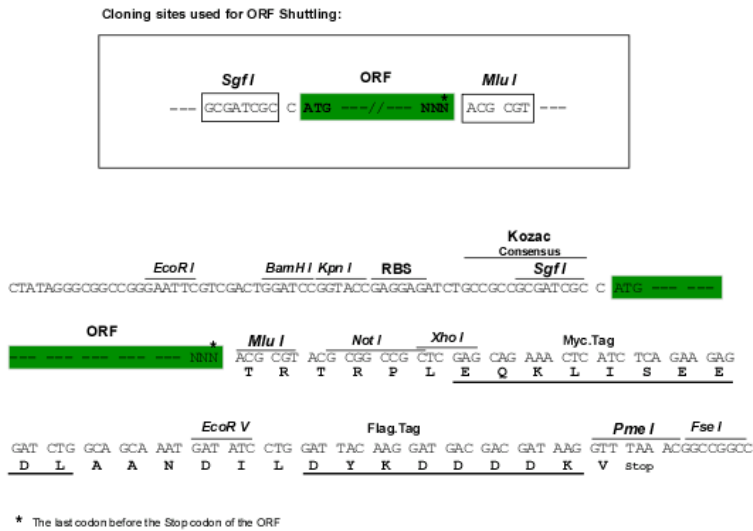
Protein Sequence: >RR212059 representing NM_001009696
 Red=Cloning site Green=Tags(s)

MPVKKRKRKAPGVAAVAEDAGLKKCKISSYCRSQPPARLISGEEDFSRKKCLAWFYEYAGPDEVVGP
 EGM EKFCEDIGVEPENIIMLVLAWKLEAESMGFFTKKEEWLKGMTSLQCDCTEKLQSRFDLRSQ
 LNDISSFKNIYRYAFDFARDKDQRSLDIDTAKSMLALLLGRTWPLFSVFYQYLEQSKYRVMNKDQWY
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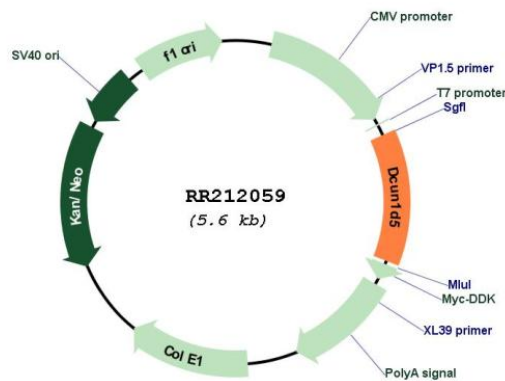
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001009696
ORF Size: 711 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:	<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_001009696.1 , NP_001009696.1
RefSeq Size:	1230 bp
RefSeq ORF:	714 bp
Locus ID:	315405
UniProt ID:	Q5PPL2
Cytogenetics:	8q11
MW:	27.6 kDa
Gene Summary:	Contributes to the neddylation of all cullins by transferring NEDD8 from N-terminally acetylated NEDD8-conjugating E2s enzyme to different cullin C-terminal domain-RBX complexes which is necessary for the activation of cullin-RING E3 ubiquitin ligases (CRLs). May play a role in DNA damage response and may participate to cell proliferation and anchorage-independent cell growth.[UniProtKB/Swiss-Prot Function]