

Product datasheet for **MR202903**

Dcun1d5 (NM_029775) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dcun1d5 (NM_029775) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dcun1d5
Synonyms:	3110001A18Rik; 4833420K19Rik; AW060460; D430047L21Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR202903 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCAGTGAAGAAGAAGAGAAAAGCTCCCGGAGTGGCAGCGCGGTCCGGAAGACGCGGGCCTCAAAA
AGTGTAATAATCCCAGCTATTGCAGATCCCAGCCTCTGCTAGACTCATCAGTGGAGAGGAAGATTTTTC
AAGAAAGAAGTGCCTGGCTTGGTTTTATGAGTATGCAGGTCTGATGAAGTTGTAGGGCCAGAAGGAATG
GAAAAATTTTGTGAAGACATTGGTGTGAACCTGAAAACATTATTATGTTAGTTTTAGCATGAAATTGG
AGGCTGAAAGCATGGGATTTTTACCAAGGAAGAATGGTTAAAGGAATGACCTCATTACAGTGTGACTG
CACAGAAAAGTTACAGAGCAGGTTTGATTTCTGCGCTCTCAGCTGAATGACATCTCATCTTTTAAGAAT
ATCTACAGATATGCCTTTGATTTGCAAGGGATAAAGATCAGAGAAGCCTTGATATTGATACTGCGAAGT
CTATGTTAGCTCTGCTGCTTGGGAGAACATGGCCACTCTTTTCAGTATTTTACCAGTACCTGGAGCAATC
AAAGTATCGTGTATGAACAAAGATCAGTGGTACAATGTATTAGAATTCAGCAGAACAGTTCATGCCGAT
CTTAGTAACTACGATGAAGACGGTGTGGCCTGTTCTTCTTGATGAATTTGTTGAGTGGCAAAAAATCC
GTCAAACATCA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR202903 protein sequence
 Red=Cloning site Green=Tags(s)

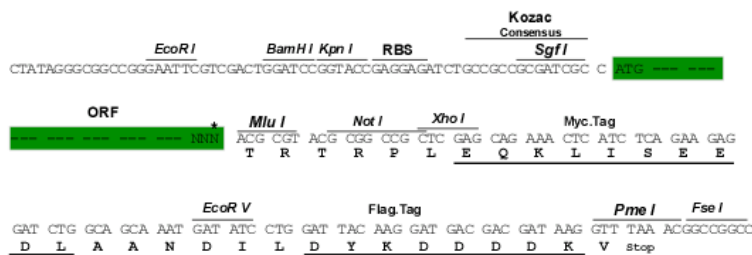
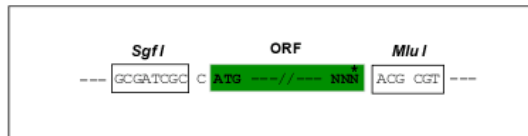
MPVKKKRKAPGVAAVAEDAGLKKCKIPSYCRSQPPARLISGEEDFSRKKCLAWFYEYAGPDEVVGPEGM
 EKFCEDIGVEPENIIMLVLAWKLEAESMGFFTKKEWLKGMTSLQCDCTEKLQSRFDLRSQLNDISSFKN
 IYRYAFDFARDKDQRSLDIDTAKSMLALLLGRTWPLFSVFYQYLEQSKYRVMNKDQWYNVLEFSRTVHAD
 LSNYDEDGAWPVLLDEFVEWQKIRQTS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_029775

ORF Size: 714 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_029775.3](#)

RefSeq Size: 1201 bp

RefSeq ORF: 714 bp

Locus ID: 76863

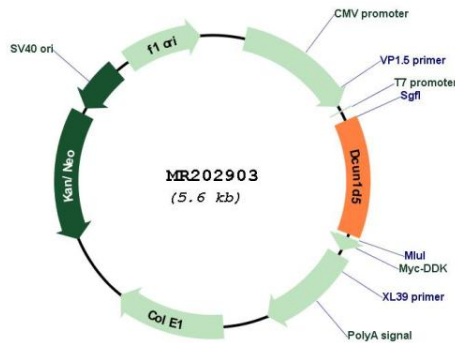
UniProt ID: [Q9CXV9](#)

Cytogenetics: 9 A1

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]

Product images:



Circular map for MR202903