

Product datasheet for MR222373

Dcun1d4 (NM_178896) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dcun1d4 (NM_178896) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dcun1d4
Synonyms:	A1836376
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR222373 representing NM_178896 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCACTCGGATGCTGCAGCTGTCAACTTTCAGCTGAAGTCTCATCTCTCAACTGGCAAGCATTGATA
AGATCTACCATAACCTTAACAAGCTGAATCTGACAGAAGACGTTGGCCAAGACGATACCCAAACAGGAAG
CCTGCGCTCTTGAGTCTTTCGGACTGCTTTAGCAAAGTGATGCCACCCAGGAAAAAGAGAAGACCTGCC
TCTGGAGACGACTTATCTGCAAAAAAAGCAGGCATGACAGCATGTATAGGAAATACGAGTCAACTAGAA
TAAAGACTGAAGAAGAGGCTTTCTCCAGTAAGCGGTGCCTGGAGTGGTTTTATGAATATGCAGGAACTGA
GGATGCCGTAGGTCCCGAAGGCATGGAGAAGTTCTGTGAAGACATTGGTGTGAACCAGAAAACGTAGTT
ATGCTTGTCTAGCTTGAAATTGGATGCACAAAACATGGGCTATTTACTCTACAGGAGTGGCTGAAAG
GAATGACTTCCCTACAATGTGATACAACAGAAAACTCAGAACTACTTTGGATTACTTAAGATCATTATT
AAACGATACAACAACTTTAAGCTCATTTACAGATACGCGTTTGACTTTGCACGGGAAAAGGACCAGCGC
AGCCTAGACATAAACTGCCAAGTGCATGTTGGGACTGTTATTAGGAAAAATCTGGCCCTTTTTCCAG
TTTTCCACCAATTCTTAGAGCAATCAAATACAAAGTGATAAACAAAGACCAGTGGTGAATGTTCTGGA
GTTCAGCAGAACGATTAGTCTCGACCTCAGCACTACGATGAAGACGGAGCATGGCCAGTTTTGTTGGAC
GAATTTGTGGAATGGTATAAAGACAAGCAGATGTCC

AG**CGGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTAA



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Protein Sequence: >MR222373 representing NM_178896
 Red=Cloning site Green=Tags(s)

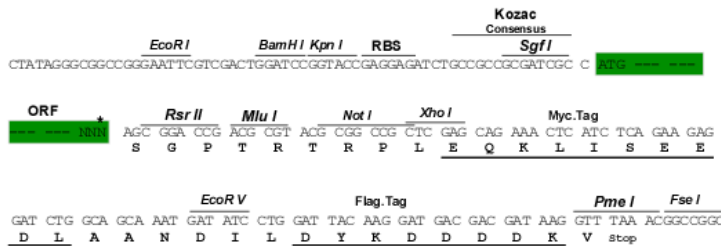
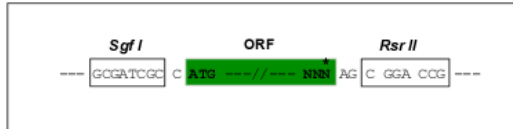
MHSDAAAVNFQLNSHLSTLASHKIYHTLNKLNLTEDVGQDDHQTGSLRSCSSSDCFKVMPPRKKRRPA
 SGDDL SAKKSRHDSMYRKYESTRIKTEEEAFSSKRCLWFYFYEYAGTEDAVGPEGMEKFCEDIGVEPENNV
 MLVLAWLKDAQNMGYFTLQEWLKGMTSLQCDTTEKLRRTLDYLRLSLLNDTTNFKLIYRYAFDFAREKDQR
 SLDINTAKCMLGLLLGKIWPLFPVFHQFLEQSKYKVINQDQWCNVLEFSRTISLDL SNYDEDGAWPVLLD
 EFVEWYKDKQMS

SGP TRTRRLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-RsrII

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_178896

ORF Size: 876 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_178896.5](#), [NP_849227.1](#)

RefSeq Size: 4143 bp

RefSeq ORF: 879 bp

Locus ID: 100737

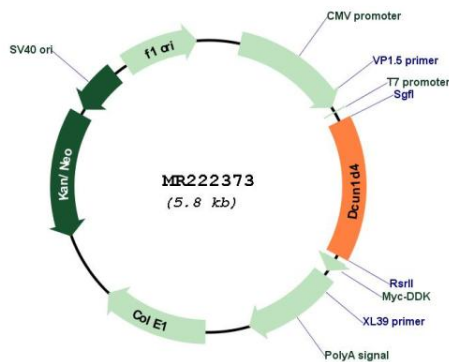
UniProt ID: [Q8CCA0](#)

Cytogenetics: 5 C3.3

MW: 34.4 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 are necessary for the activation of cullin-RING E3 ubiquitin ligases (CRLs). [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR222373