

Product datasheet for **MG222373**

Dcun1d4 (NM_178896) Mouse Tagged ORF Clone

Product data:

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|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Dcun1d4 (NM_178896) Mouse Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | Dcun1d4 |
| Synonyms: | A1836376 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| ORF Nucleotide Sequence: | >MG222373 representing NM_178896 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCACTCGGATGCTGCAGCTGTCAACTTTCAGCTGAACCTCATCTCTCAACACTGGCAAGCATTGATA
AGATCTACCATACCCTTAACAAGCTGAATCTGACAGAAGACGTTGGCCAAGACGATCACCAACAGGAAG
CCTGCGCTTTCAGTTCCTCGGACTGCTTAGCAAAGTGATGCCACCCAGGAAAAAGAGAAGACCTGCC
TCTGGAGACGACTTATCTGCAAAAAAAGCAGGCATGACAGCATGTATAGGAAATACGAGTCAACTAGAA
TAAAGACTGAAGAAGAGGCTTTCTCCAGTAAGCGGTGCCTGGAGTGGTTTTATGAATATGCAGGAACTGA
GGATGCCGTAGGTCCCGAAGGCATGGAGAAGTTCTGTGAAGACATTGGTGTGAACAGAAAACGTAGTT
ATGCTTGTCTAGCTTGGAAATTGGATGCACAAAACATGGGCTATTTACTCTACAGGAGTGGCTGAAAG
GAATGACTTCCCTACAATGTGATACAACAGAAAACTCAGAACTACTTTGGATTACTTAAGATCATTATT
AAACGATACAACAACTTTAAGCTCATTACAGATACGCGTTTGACTTTGCACGGGAAAAGGACCAGCGC
AGCCTAGACATAAACTGCCAAGTGCATGTTGGGACTGTTATTAGGAAAAATCTGGCCCCTTTTCCAG
TTTTTACCAATCTTAGAGCAATCAAATACAAAGTGATAAACAAAGACCAGTGGTGAATGTTCTGGA
GTTTCAGCAGAACGATTAGTCTCGACCTCAGCAACTACGATGAAGACGGAGCATGGCCAGTTTTGTTGGAC
GAATTTGTGGAATGGTATAAAGACAAGCAGATGTCC

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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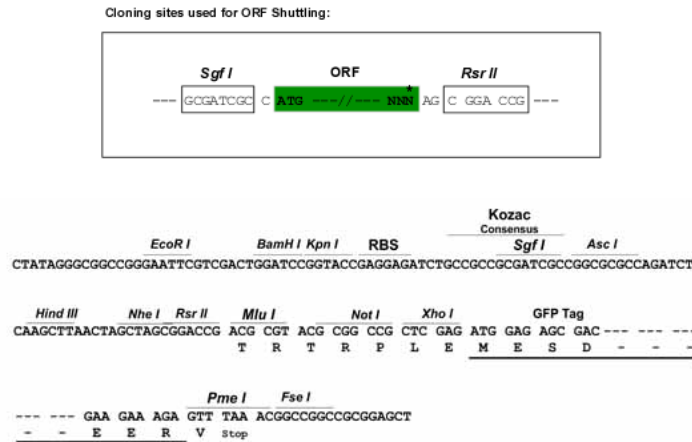
Protein Sequence: >MG222373 representing NM_178896
Red=Cloning site Green=Tags(s)

MHSDAAAVNFQLNSHLSTLASHIKIYHTLNKLNLTEDVGGDDHQTGSLRSCSSSDCF SKVMPPRKKRRPA
 SGDDL SAKKSRHDSMYRKYESTRIKTEEEAFSSKRCLWFYEYAGTEDAVGPEGMEKFCEDIGVEPENNV
 MLVLAWLKDAQNMGYFTLQEWLKGMTSLQCDTTEKLRITLDYLRSLLNDTTNFKLIYRYAFDFAREKDQR
 SLDINTAKCMLGLLLGKIWPLFPVFHQFLEQSKYKVKQDQWCNVLEFSRTISLDLSNYDEDGAWPVLLD
 EFVEWYKDKQMS

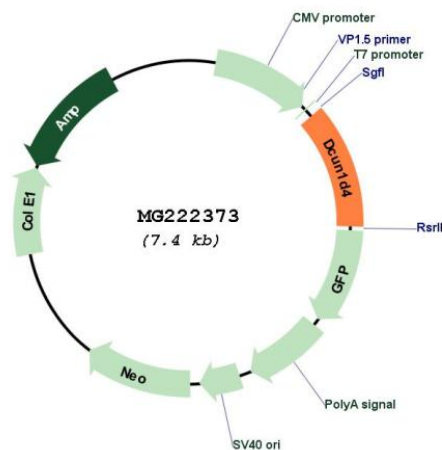
SGPTRRRLE - GFP Tag - V

Restriction Sites: Sgfl-RsrII

Cloning Scheme:



Plasmid Map:



ACCN: NM_178896

ORF Size: 876 bp

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| 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_178896.5 , NP_849227.1 |
| RefSeq Size: | 4143 bp |
| RefSeq ORF: | 879 bp |
| Locus ID: | 100737 |
| UniProt ID: | Q8CCA0 |
| Cytogenetics: | 5 C3.3 |
| 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] |