

## Product datasheet for **MG217177**

### **Dcun1d2 (NM\_001024504) Mouse Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Dcun1d2 (NM\_001024504) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Dcun1d2  
**Synonyms:** AW495713; mFLJ10704  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG217177 representing NM\_001024504  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCATAAACTTAAATCAGCTCAGAAGGACAAGGTCGCCAGTTCATGGCATGCACTCAGGCTAGCGAGA  
GGACTGCCATCTACTGCTTGACACAGAATGAGTGGAACTAGATGAGGCCACAGACAGTTTCTTCCAAAA  
CCCCGAGGCGTTTACCAGAGTCTATGAAGAGCAGTGTGGACCAGAAGAAGCTGGAGCAACTGTACAGC  
AGGTACAAAGACCCACAGGACGAAAACAAAATTGGAATCGATGGGATTCAGCAGTTCTGTGATGACCTGA  
GTCTGGACCCCGCCAGTATCAGCGTTTTGGTCATAGCGTGAAGTTCAGGGCCGCCACTCAATGTGAATT  
TAGCAAAAAGGAATTTGTGGATGGCATGACGGAGCTGGGGTGTGATAGCACCGAGAGGCTGAAAGCTCTT  
CTCCCCAGACTGGAGCAAGACTTAAGGACCCAGCCAAGTTCAAGGACCTTTACCAGTTTACCTTACCT  
TCGCTAAGAACCCTGGGCAGAAGGGCTTAGATTTAGAAATGGCTGTTGCATATTGGAAGTTAGTATTGTC  
TGGAAGGTTTAAAGTTTTAGATCTTTGGAACACATTTCTGCTGGAGCATCACAAAAGATCAATTCGAAGG  
GATACTTGAACCTTCTCCTAGATTTTGGAAACATGATTGCAGATGATTTGTCTAACTACGATGAAGAAG  
GAGCATGGCCTGCCTTATAGATGACTTTGTAGAATACGCACGGCCAGTGGTCACAGGCGGGAGACGCAG  
CCCTTTC

**ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA**



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**Protein Sequence:** >MG217177 representing NM\_001024504  
 Red=Cloning site Green=Tags(s)

MHKLKSAQKDKVRQFMACTQASERTAIYCLTQNEWKLDEATDSFFQNPFAFHRESMKSSVDQKKLEQLYS  
 RYKDPQDENKIGIDGIQQFCDDLSDPASISVLVIAWKFRAATQCEFSKKEFVDGMTELGCDSTERLKAL  
 LPRLEQELKDKPAKFKDL YQFTTF AKNPGQKGLDLEMAYWKL VLSGRFKFLDLWNTFLLEHHKRSIPR  
 DTWNLLLDLDFGNMIADDLSNYDEEGAWPVLIDDFVEYARPVVTGGRRSPF

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001024504

**ORF Size:** 777 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\\_001024504.2](#), [NP\\_001019675.2](#)

**RefSeq Size:** 3059 bp

**RefSeq ORF:** 780 bp

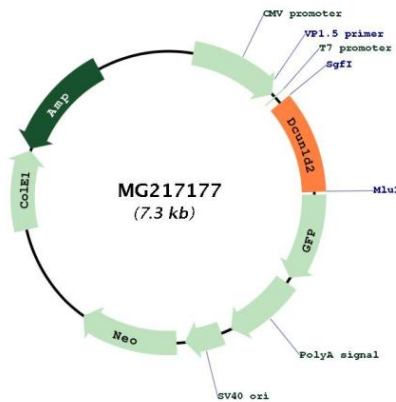
**Locus ID:** 102323

**UniProt ID:** [Q8BZJ7](#)

**Cytogenetics:** 8 A1.1

**Gene Summary:** Potently stimulates the neddylation of cullin components of SCF-type E3 ubiquitin ligase complexes from the NEDD8-conjugating E2 enzyme UBC12. Neddylation of cullins play an essential role in the regulation of SCF-type complexes activity (By similarity).[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MG217177