

Product datasheet for **MG223438**

Dcun1d3 (NM_173408) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dcun1d3 (NM_173408) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Dcun1d3
Synonyms:	1700020A13Rik; BC030335
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG223438 representing NM_173408 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGCCAGTGTGTACCAAGTGAAGAATCCTTCATCAACCTTGGGCAGCAAGAATGGAGACCGGGACC
CCAGCAACAAGTCACACAGCAGGCGGGGGCTAGCCACCGTGAGGAACAGGTGCCACCTTGTGGCAAACC
AGCTGGGGATATTCTTGTCAATGGGACCAAGAAAGCAGAGGCTGCCACTGAGGCCTGCCAGCTGCCAACT
TCTTCTGGAGATGCTGGGAGGAGTCCAAGACCAATGCTGAGGAGTCTTCTTGCAGAGGTTGGAAGAAC
TATTCAGGCGCTACAAGGATGAGCGGGAGGATGCAATTTGGAGGAAGGCATGGAGCGCTTTTGCAATGA
CCTATGTGTTGATCCTACAGAATTCGAGTGCTGCTCTTGGCCTGGAAGTCCAGGCTGCTACCATGTGC
AAATTCACCAGGAAGGAGTTTTTGGATGGCTGTAAGCAATAAGTGCAGACAGCATTGATGGGATCTGTG
CACGGTCCCTAGCCTCTAACAGAAGCCAACAAGAAGATAAATTCAAGGATCTCTACCGGTTTACATT
TCAGTTTGGCCTGGACTCTGAAGAAGGGCAGCGGTCACTGCATCGTAAATAGCCATTGCCCTATGGAAA
CTAGTATTTACACAGAACAATCCTCCAGTATTGGACCAGTGGCTAAATTTCTAACAGAGAACCCTTCGG
GAATCAAGGGCATCTCCCGGACACTTGAACATGTTTCTTAACCTCACTCAGGTGATTGGCCCCGACCT
CAGCAACTACAGTGAAGATGAGGCCTGGCCGAGTCTCTTTGATACCTTTGTGGAGTGGGAAATGGAGAGA
AGGAAAAGAGAAGTGAAGGGAGAGGTACTCAGCTCAGGGCAAGAGGGCTTGTGTCCAGAAGAGCAGA
CT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG223438 representing NM_173408
Red=Cloning site Green=Tags(s)

MGQCVTKCKNPSSTLGSKNGDRDPSNKSRSRRGASHREEQVPPCGKPAGDILVNGTKKAEATEACQLPT
 SSGDAGRESKTNAEESLQRLEELFRYKDEREDAIIEEMERFCNDLCVDPTEFRVLLLAWKFAATMC
 KFTRKEFFDGCKAISADSIDGICARFPSLLTEAKQEDKFKDLYRFTFQFLDSEEGQSRSLHREIAIALWK
 LVFTQNNPPVLDQWLNFLTENPSGIKISRDTWNMFLNFQVIGPDLSNYSEDEAWPSLFDTFVEWEMER
 RKREVEGRGTLSSGQEGLCPEEQT

TRTRPLE - GFP Tag - V

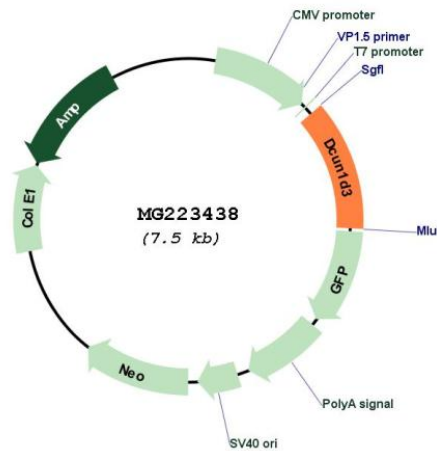
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_173408

ORF Size: 912 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_173408.3 , NP_775584.1
RefSeq Size:	5637 bp
RefSeq ORF:	915 bp
Locus ID:	233805
UniProt ID:	Q8K0V2
Cytogenetics:	7 F2
Gene Summary:	Antagonizes DCUN1D1-mediated CUL1 neddylation by sequestering CUL1 at the cell membrane.[UniProtKB/Swiss-Prot Function]