

Product datasheet for MR223438

Dcun1d3 (NM_173408) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dcun1d3 (NM_173408) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dcun1d3
Synonyms:	1700020A13Rik; BC030335
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR223438 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGGCCAGTGTGTACCAAGTGAAGAATCCTTCATCAACCTTGGGCAGCAAGAATGGAGACCGGGACC
CCAGCAACAAGTCACACAGCAGGCGGGGGCTAGCCACCGTGAGGAACAGGTGCCACCTTGTGGCAAACC
AGCTGGGGATATTCTTGTCAATGGGACCAAGAAAGCAGAGGCTGCCACTGAGGCCTGCCAGCTGCCAACT
TCTTCTGGAGATGCTGGGAGGAGTCCAAGACCAATGCTGAGGAGTCTTCTTTCAGAGGTTGGAAGAAC
TATTCAGGCGCTACAAGGATGAGCGGGAGGATGCAATTTGGAGGAAGGCATGGAGCGCTTTTGCAATGA
CCTATGTGTTGATCCTACAGAATTCGAGTGCTGCTCTTGGCCTGGAAGTCCAGGCTGCTACCATGTGC
AAATTCACCAGGAAGGAGTTTTTGGATGGCTGTAAGCAATAAGTGCAGACAGCATTGATGGGATCTGTG
CACGGTCCCTAGCCTCTTAACAGAAGCCAAACAAGAATAAATTCAGGATCTCTACCGGTTTACATT
TCAGTTTGGCCTGGACTCTGAAGAAGGGCAGCGGTCACTGCATCGTAAATAGCCATTGCCATGGA
CTAGTATTTACACAGAACAATCCTCCAGTATTGGACCAGTGGCTAAATTTCTAACAGAGAACCCTTCGG
GAATCAAGGGCATCTCCCGGACACTTGAACATGTTTCTTAACCTCACTCAGGTGATTGGCCCCGACCT
CAGCAACTACAGTGAAGATGAGGCCTGGCCGAGTCTCTTGATACCTTTGTGGAGTGGAAATGGAGAGA
AGGAAAAGAGAAGTGAAGGGAGAGGTACTCTCAGCTCAGGGCAAGAGGGCTTGTGTCCAGAAGAGCAGA
CT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR223438 protein sequence
Red=Cloning site Green=Tags(s)

MGQCVTKCKNPSSTLGSKNGDRDPSNKSRRGASHREEQVPPCGKPAGDILVNGTKKAEATEACQLPT
 SSGDAGRESKTNAEESLQRLEELFRYKDEREDAILEEMERFCNDLCVDPTEFRVLLLAWKFQAATMC
 KFTRKEFFDGCKAISADSIDGICARFPSLLTEAKQEDKFKDLYRFTFQFLDSEEQRSLHREIAIALWK
 LVFTQNNPPVLDQWLNFLTENPSGIKISRDTWNMFLNFQVIGPDLSNYSEDEAWPSLFDTFVEWEMER
 RKREVEGRGTLSSGQEGLCPEEQT

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_173408

ORF Size: 915 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_173408.3](#), [NP_775584.1](#)

RefSeq Size: 5637 bp

RefSeq ORF: 915 bp

Locus ID: 233805

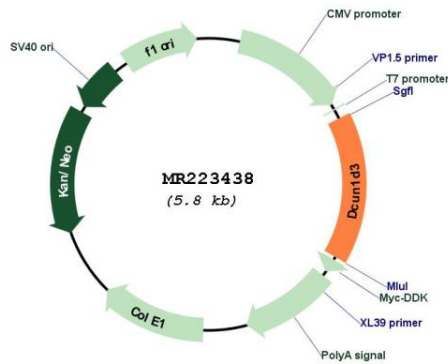
UniProt ID: [Q8K0V2](#)

Cytogenetics: 7 F2

MW: 34.4 kDa

Gene Summary: Antagonizes DCUN1D1-mediated CUL1 neddylation by sequestering CUL1 at the cell membrane.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR223438