

Product datasheet for **RG208821**

DCUN1D4 (NM_015115) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DCUN1D4 (NM_015115) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	DCUN1D4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG208821 representing NM_015115 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCACTCGGATGCCGCCGCTGTCAATTTTCAGCTGAAGCTCTCATCTCTCAACACTGGCAAATATTCATA
 AGATCTACCACACCCCTTAATAAGCTGAACCTAACAGAAGACATTGGCCAAGACGATCACCACAGGAAG
 TCTGCGGTCTTGCACTTCTCAGACTGCTTTAATAAAGTGATGCCACCAAGGAAAAAGAGAAGACCTGCC
 TCTGGAGATGATTTATCTGCCAAGAAAAGTAGACATGATAGCATGTATAGAAAATATGATTCGACTAGAA
 TAAAGACTGAAGAAGAAGCCTTTTCAAGTAAAAGGTGCTTGAATGGTTCTATGAATATGCAGGAAGTGA
 TGATGTTGTAGGCCCTGAAGGCATGGAGAAATTTGTGAAGACATTGGTGTGAACAGAAAACGTAGTT
 ATGCTTGTCTAGCTTGAAATTGGATGCACAAAACATGGGTTATTTTACTCTACAGGAGTGGTTAAAAG
 GAATGACTTCTCTCAATGTGATACACAGAAAACTCAGAAATACTTTGGATTACTTAAGATCATTCTT
 AAATGATTCTACAACTTTAACTTATTTACAGATATGCGTTTGACTTTGCACGGCAATCAAAATACAAA
 GTTATTAATAAAGACCAGTGGTGAATGCTCCTAGAGTTTAGCAGAACATTAATCTTGACCTCAGCAACT
 ATGATGAAGATGGAGCATGGCCAGTTTGTGGACGAGTTGTGGAGTGGTATAAAGACAAACAGATGTC
 C

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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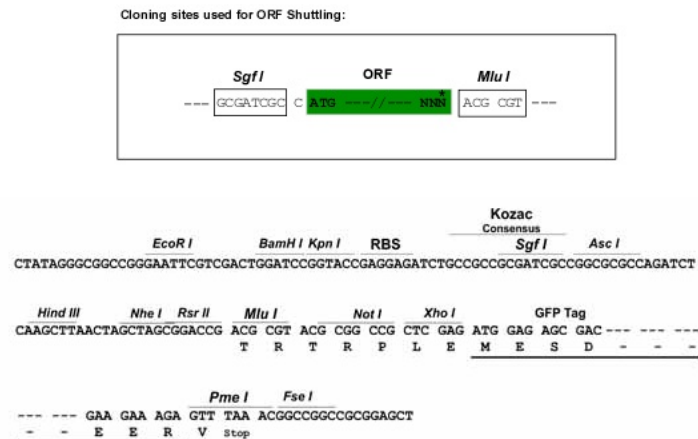
Protein Sequence: >RG208821 representing NM_015115
 Red=Cloning site Green=Tags(s)

MHSDAAAVNFQLNSHLSTLANIHKIYHTLNKLNLTEDIGQDDHQTGSLRSCSSSDCFNKVMPPRKKRRPA
 SGDDLAKKSRHDSMYRKYDSTRIKTEEEAFSSKRCLEWFYEYAGTDDVVGPEGMEKFCEDIGVEPENNV
 MLVLAWLKDAQNMGYFTLQEWLKGMTSLQCDTTEKLRNTLDYLRSLNDSTNFKLIYRYAFDFARQSKYK
 VINKDQWCNVLEFSRTINLDLSNYDEDGAWPVLLDEFVEWYKDKQMS

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_015115

ORF Size: 771 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_015115.3](#)

RefSeq Size: 4173 bp

RefSeq ORF: 774 bp

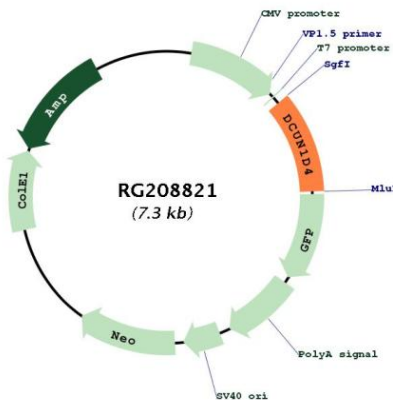
Locus ID: 23142

UniProt ID: [Q92564](#)

Cytogenetics: 4q12

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 RG208821