

Product datasheet for **RC208865**

DCUN1D2 (NM_001014283) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DCUN1D2 (NM_001014283) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	DCUN1D2
Synonyms:	C13orf17
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC208865 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCATAAGCTTAAATCGTCTCAGAAGGACAAGGTCGCCAGTTTATGGCGTGCACTCAGGCTGGCGAGA
GAACTGCTATCTACTGCTTAACGCAGAATGAGTGGAGACTAGACGAGGCCACGGACAGCTTCTTCCAAAA
CCCAGACTCGCTCCACAGGGAGTCCATGCGGAACGCTGTGGACAAGAAGAAGCTGGAGCGGCTGTACGGC
AGGTACAAAGATCCACAAGATGAAAACAAAATTGGAGTCGATGGGATTCAACAGTTTTGTGATGATCTGA
GCCTGGATCCTGCCAGTATCAGTGTATTGGTCATAGCGTGAAGTTCAGGGCAGCAACTCAGTGTGAATT
TAGCAGAAAGGAATTTCTAGATGGCATGACAGAACTTGGGTGTGACAGCATGGAGAAGCTAAAGGCTCTT
CTGCCAAGACTGGAGCAGGAGCTGAAGGACACAGCCAAGTTTAAAGATTTTTATCAGTTTACCTTCACT
TCGCTAAGAACCAGGGCAGAAAGGTTTAGACTTAGAAATGGCTGTTGCGTATTGGAAATTAGTGTATC
TGGAAAGTTTTAAATTTTAGATCTCTGGAACACATTCTTAATGGAACATCACAAAAGATCAATCCAAGG
GACACCTGGAACCTCTGCTGGACTTTGGAAACATGATTGCGGATGATATGTCTAACTACGATGAAGAAG
GAGCTTGGCCCGTTCTTATAGATGATTTTGTAGAATATGCACGGCCAGTAGTCACAGGTGAAAAACGCAG
CCTTTTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC208865 protein sequence
 Red=Cloning site Green=Tags(s)

MHKLKSSQKDKVRQFMACTQAGERTAIYCLTQNEWRLDEATDSFFQNPDSLHRESMRNAVDKKKLERLYG
 RYKDPQDENKIGVDGIQQFCDDLSDPASISVLVIAWKFRAATQCEFSRKEFLDGMTELGDCDSMEKLLKAL
 LPRLEQELKDTAKFKDFYQFTTFKAKNPGQKGLDLEMAYVWKL VLSGRFKFLDLWNTFLMEHHKRSIPR
 DTWNLLLDFGNMIADDMSNYDEEGAWPVLIDDFVEYARPVVTGGKRSLF

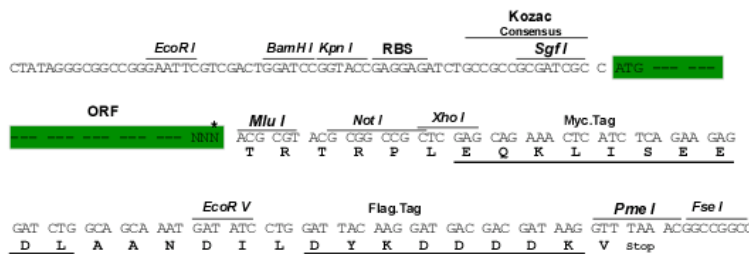
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6778_e07.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001014283

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001014283.2](#)

RefSeq Size: 3046 bp

RefSeq ORF: 780 bp

Locus ID: 55208

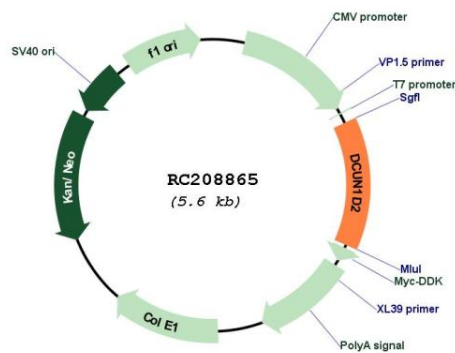
UniProt ID: [Q6PH85](#)

Cytogenetics: 13q34

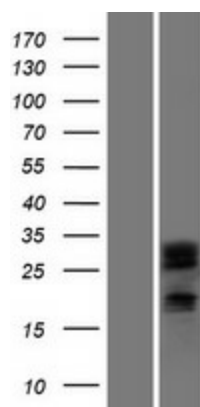
MW: 30.2 kDa

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.[UniProtKB/Swiss-Prot Function]

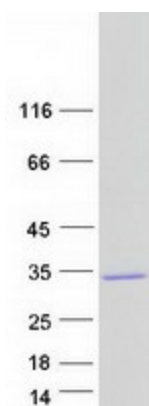
Product images:



Circular map for RC208865



Western blot validation of overexpression lysate (Cat# [LY423049]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC208865 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified DCUN1D2 protein (Cat# [TP308865]). The protein was produced from HEK293T cells transfected with DCUN1D2 cDNA clone (Cat# RC208865) using MegaTran 2.0 (Cat# [TT210002]).