

Product datasheet for RC208082

DCUN1D3 (NM_173475) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DCUN1D3 (NM_173475) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	DCUN1D3
Synonyms:	44M2.4; SCCRO3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC208082 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGGCCAGTGTGTACCAAGTGAAGAATCCCTCATCGACCCTGGGCAGCAAAAATGGAGACCGTGAGC
CCAGCAACAAGTCACATAGCAGGCGGGTGCAGGCCACCGTGAGGAGCAGGTACCACCCTGTGGCAAGCC
AGGTGGAGATATCCTCGTCAACGGGACCAAGAAGGCCGAGGCTGCCACTGAGGCCTGCCAGCTGCCAACG
TCCTCGGGAGATGCTGGGAGGGAGTCCAAGTCCAATGCCGAGGAGTCTTCCTTGCAAAGATTGGAAGAAC
TGTTCAAGCGCTACAAGGATGAGCGGGAAGATGCAATTTGGAGGAAGGCATGGAGCGCTTTTGCAATGA
CCTGTGTGTTGACCCACAGAATTCGAGTGCTGCTCTTGCTTGGAAAGTCCAGGCTGCAACCATGTGC
AAATTCACCAGGAAGGAGTTTTTATGAGTGGCTGCAAGCAATAAGTGCAGACAGCATTGACGGAATCTGTG
CACGGTTCCCTAGCCTCTTAACAGAAGCCAAACAAGAGGATAAATTCAAGGATCTCTACCGGTTTACATT
TCAGTTTGGCCTGGACTCTGAAGAAGGGCAGCGGTCACTGCATCGGAAATAGCCATTGCCCTGTGGAAA
CTAGTCTTTACCCAGAACAATCCTCCGGTATTGGACCAATGGCTAAACTTCTAACAGAGAACCCCTCGG
GGATCAAGGGCATCTCCCGGACACTTGAACATGTTCCCTAACCTCACTCAGGTGATTGGCCCTGACCT
CAGCAACTACAGTGAAGATGAGGCCTGGCCAAGTCTCTTTGACACCTTTGTGGAGTGGGAAATGGAGCGA
AGGAAAAGAGAAGGGGAAGGGAGAGGTGCACTCAGCTCAGGGCCTGAGGGCTTGTGTCCCGAGGAGCAGA
CT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC208082 protein sequence
Red=Cloning site Green=Tags(s)

MGQCVTKCKNPSSTLGSKNGDREPSNKSHSRRGAGHREEQVPPCGKPGGDILVNGTKKAEATEACQLPT
 SSGDAGRESKSNAAESSLQRLEELFRYKDEREDAILEEMERFCNDLCVDPTEFRVLLLAWKFQAATMC
 KFTRKEFFDGGCKAISADSIDGICARFPSLLTEAKQEDKFKDLRYRFFQFLDSEEQRSLHREIAIALWK
 LVFTQNNPPVLDQWLNFLTENPSGIKISRDTWNMFLNFQVIGPDL SNYSEDEAWPSLFDTFVEWEMER
 RKREGEGRGALSSGPEGLCPPEEQT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6342_d12.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_173475

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:

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_173475.1](#), [NP_775746.1](#)

RefSeq Size: 2886 bp

RefSeq ORF: 915 bp

Locus ID: 123879

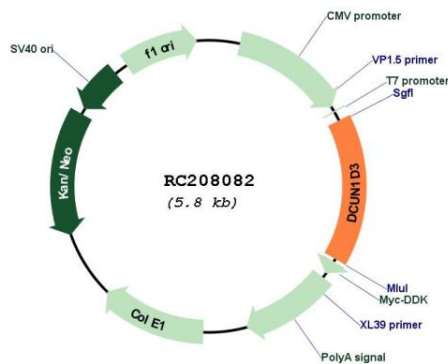
UniProt ID: [Q8IWE4](#)

Cytogenetics: 16p12.3

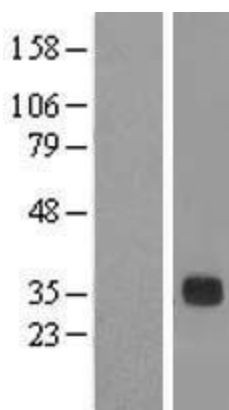
MW: 34.3 kDa

Gene Summary: Antagonizes DCUN1D1-mediated CUL1 neddylation by sequestering CUL1 at the cell membrane (PubMed:25349211). When overexpressed in transformed cells, may promote mesenchymal to epithelial-like changes and inhibit colony formation in soft agar (PubMed:25349211).[UniProtKB/Swiss-Prot Function]

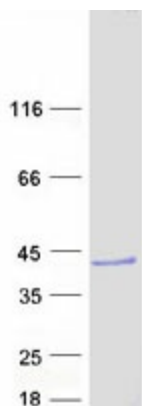
Product images:



Circular map for RC208082



Western blot validation of overexpression lysate (Cat# [LY406608]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC208082 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified DCUN1D3 protein (Cat# [TP308082]). The protein was produced from HEK293T cells transfected with DCUN1D3 cDNA clone (Cat# RC208082) using MegaTran 2.0 (Cat# [TT210002]).