

Product datasheet for **RC200870**

DCUN1D5 (NM_032299) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DCUN1D5 (NM_032299) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	DCUN1D5
Synonyms:	SCCRO5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC200870 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCGGTGAAGAAGAAGAGAAAATCCCCTGGGGTGGCAGCAGCAGTAGCGGAAGACGGAGGCCTCAAAA
AGTGTAATAATCTCCAGCTATTGCAGATCCCAACCCCTGCTAGACTAATAAGTGGAGAGGAACATTTTTTC
AAGCAAGAAGTGCCTGGCTTGGTTTTATGAATATGCAGGTCCTGATGAAGTTGTAGGGCCAGAAGGAATG
GAAAAATTTTGTGAAGACATTGGTGTGAACCTGAAAATATTATTATGTTAGTTTTAGCGTGAAATTGG
AGGCTGAAAGCATGGGATTTTTTACCAAGGAAGAATGGTTAAAGGAATGACTTCATTACAGTGTGACTG
CACAGAAAAGTTACAAAACAAATTTGACTTTTTGCGCTCACAGTTGAATGATATTTGTCATTTAAGAAT
ATCTACAGATATGCCTTTGATTTTGCAAGGGATAAAGATCAGAGAAGCCTTGATATTGATACTGCTAAAT
CTATGTTAGCTCTTCTGCTTGGGAGGACATGGCCACTGTTTTTCAGTATTTTACCAGTACCTGGAGCAATC
AAAGTATCGTGTATGAACAAAGATCAATGGTACAATGTATTAGAATTCAGCAGAACAGTCCATGCTGAT
CTTAGTAACTATGATGAAGATGGTGTCTGGCCTGTTCTTCTTGATGAATTTGTTGAGTGGCAAAAAGTCC
GTCAGACATCA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC200870 protein sequence
 Red=Cloning site Green=Tags(s)

MPVKKRKRKSPGVAAVAEDGGLKKCKISSYCRSQPPARLISGEEHFSSKKCLAWFYEYAGPDEVVGP
 EGM EKFCEDIGVEPENIIMLVLAWKLEAESMGFFTKKEEWLKGMTSLQCDCTEKLQNKFDLRSQ
 LNDISSFKNIYRYAFDFARDKDQRSLDIDTAKSMLALLLGRTWPLFSVFYQYLEQSKYRVMNKDQWY
 NVLFEFSRTVHADLSNYDEDGAWPVLLDEFVEWQKVRQTS

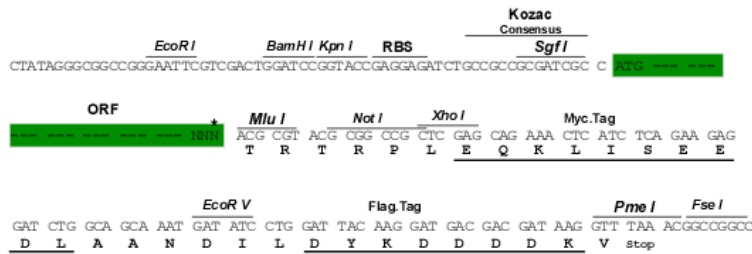
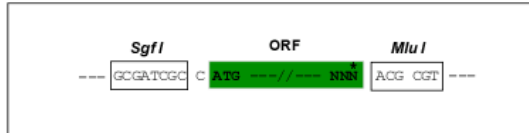
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6569_c10.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_032299

ORF Size: 711 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_032299.4](#)

RefSeq Size: 12732 bp

RefSeq ORF: 714 bp

Locus ID: 84259

UniProt ID: [Q9BTE7](#)

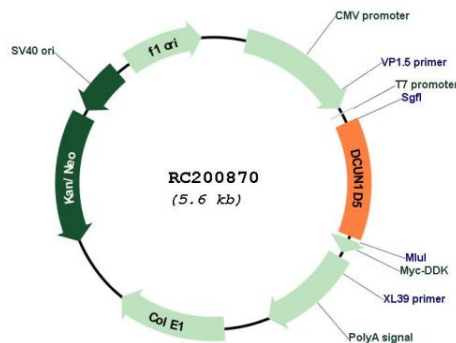
Cytogenetics: 11q22.3

Domains: DUF298

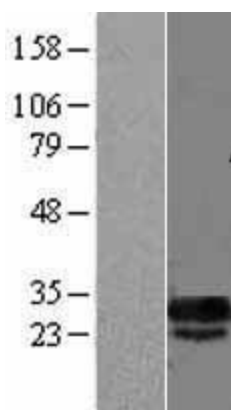
MW: 27.5 kDa

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 is necessary for the activation of cullin-RING E3 ubiquitin ligases (CRLs) (PubMed:26906416, PubMed:23201271, PubMed:19617556). May play a role in DNA damage response and may participate to cell proliferation and anchorage-independent cell growth (PubMed:23098533, PubMed:24192928).[UniProtKB/Swiss-Prot Function]

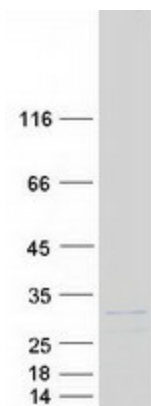
Product images:



Circular map for RC200870



Western blot validation of overexpression lysate (Cat# [LY410241]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC200870 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified DCUN1D5 protein (Cat# [TP300870]). The protein was produced from HEK293T cells transfected with DCUN1D5 cDNA clone (Cat# RC200870) using MegaTran 2.0 (Cat# [TT210002]).