

Product datasheet for **RG200870**

DCUN1D5 (NM_032299) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DCUN1D5 (NM_032299) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	DCUN1D5
Synonyms:	SCCRO5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG200870 representing NM_032299 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**C

ATGCCGGTGAAGAAGAAGAGAAAATCCCCTGGGGTGGCAGCAGCAGTAGCGGAAGACGGAGGCCTCAAAA
 AGTGTAATCTCCAGCTATTGCAGATCCCAACCCCTGCTAGACTAATAAGTGGAGAGGAACATTTTTC
 AAGCAAGAAGTGCCTGGCTTGGTTTATGAATATGCAGGTCCTGATGAAGTTGTAGGGCCAGAAGGAATG
 GAAAAATTTTGTGAAGACATTGGTGTGAACCTGAAAATATTATTATGTTAGTTTACGCTGAAATTTGG
 AGGCTGAAAGCATGGGATTTTTTACCAAGGAAGAATGGTTAAAGGAATGACTTCATTACAGTGTGACTG
 CACAGAAAAGTTACAAAACAAATTTGACTTTTTGCGCTCACAGTTGAATGATATTTGCTCATTTAAGAAT
 ATCTACAGATATGCCTTTGATTTTGCAAGGGATAAAGATCAGAGAAGCCTTGATATTGATACTGCTAAAT
 CTATGTTAGCTCTTCTGCTTGGGAGGACATGGCCACTGTTTTAGTATTTTACCAGTACCTGGAGCAATC
 AAAGTATCGTGTTATGAACAAAGATCAATGGTACAATGTATTAGAATTCAGCAGAACAGTCCATGCTGAT
 CTTAGTAAGTATGATGAAGATGGTGGCTGTTCTTCTTGATGAATTTGTTGAGTGGCAAAAAGTCC
 GTCAGACATCA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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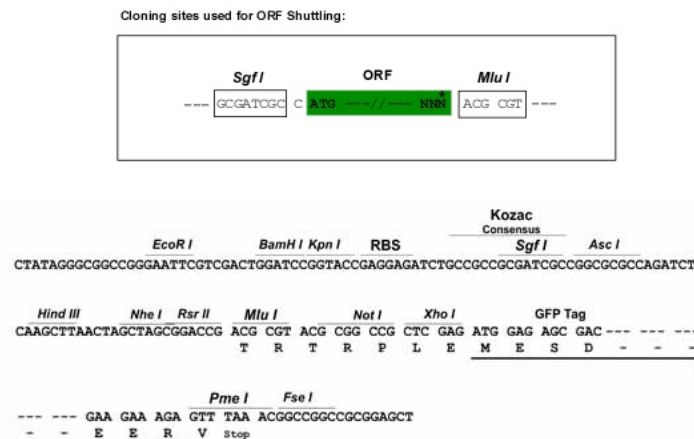
Protein Sequence: >RG200870 representing NM_032299
 Red=Cloning site Green=Tags(s)

MPVKKKRKSPGVAAVAEDGGLKKCKISSYCRSQPPARLISGEEHFSSKKCLAWFYEYAGPDEVVGPEGM
 EKFCEDIGVEPENIIMLVLAWKLEAESMGFFTKEEWLKGMTSLQCDCTEKLQNKFDLRSQNDISSFKN
 IYRYAFDFARDKDQRSLDIDTAKSMLALLLGRTWPLFSVFYQYLEQSKYRVMNKDQWYNVLEFSRTVHAD
 LSNYDEDGAWPVLLDEFVEWQKVRQTS

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



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.

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

RefSeq: [NM_032299.4](#)

RefSeq Size: 1277 bp

RefSeq ORF: 714 bp

Locus ID: 84259

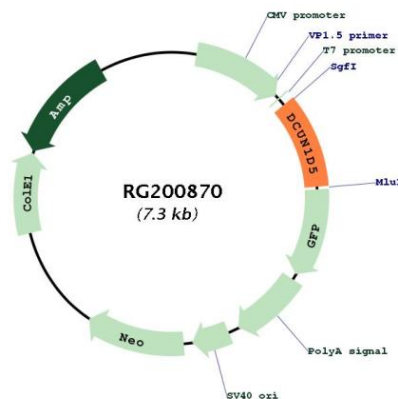
UniProt ID: [Q9BTE7](#)

Cytogenetics: 11q22.3

Domains: DUF298

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 RG200870