

Product datasheet for **RC220794**

DCUN1D4 (NM_001040402) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DCUN1D4 (NM_001040402) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	DCUN1D4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC220794 representing NM_001040402 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCACTCGGATGCCGCCGCTGTCAATTTTCAGCTGAACCTCATCTCTCAACACTGGCAAATATTCATA
AGATCTACCACACCCTTAATAAGCTGAACCTAACAGAAGACATTGGCCAAGACGATCACCAACAGGAAG
TCTGGGTCTTGCAGTTCTTCAGACTGCTTTAATAAAGTGATGCCACCAAGGAAAAAGAGAAGACCTGCC
TCTGGAGATGATTTATCTGCCAAGAAAAGTAGACATGATAGCATGTATAGAAAATATGATTCGACTAGAA
TAAAGACTGAAGAAGAAGCCTTTCAAGTAAAAGGTGCTTGAATGGTTCTATGAATATGCAGGAAGTGA
TGATGTTGTAGGCCCTGAAGGCATGGAGAAATTTGTGAAGACATTGGTGTGAACCAGAAAACGTAGTT
ATGCTTGTCTAGCTTGGAAATTGGATGCACAAAACATGGTTATTTACTCTACAGGAGTGGTTAAAAG
GAATGACTTCTCTCCAATGTGATACAACAGAAAACTCAGAAATACTTTGGATTACTTAAGATCATTCTT
AAATGATTCTACAACTTTAACTTATTTACAGATATGCGTTTGACTTTGCACGGGAAAAGGACCAGCGC
AGCCTAGACATAAACTGCCAAGTGCATGTTGGGACTGTTATTAGGAAAAATCTGGCCCTTTTCCAG
TTTTTACCAATCTTAGAGCAATCAAAATACAAAGTTATTAATAAAGACCAGTGGTGAATGCCTAGA
GTTTAGCAGAACAATTAATCTTGACCTCAGCAACTATGATGAAGATGGAGCATGGCCAGTTTGTGGAC
GAGTTTGTGGAGTGGTATAAAGACAAACAGATGTCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC220794 representing NM_001040402
Red=Cloning site Green=Tags(s)

MHSDAAAVNFQLNSHLSTLANIHKIYHTLNKLNLTEDIGQDDHQGTGLRSCSSSDCFNKVMPPRKKRRPA
 SGDDL SAKKSRHDSMYRKYDSTRIKTEEEAFSSKRCLWFYEYAGTDDVVGPEGMEKFCEDIGVEPENNV
 MLVLAWLKDAQNMGYFTLQEWLKGMTSLQCDTTEKLRNTLDYLRSFLNDSTNFKLIYRYAFDFAREKDQR
 SLDINTAKCMLGLLLGKIWPLFPVFHQFLEQSKYKVKNDQWCNVLEFSRTINLDLSNYDEDGAWPVLLD
 EFVEWYKDKQMS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8041_e07.zip

Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001040402

ORF Size: 876 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_001040402.3](#)

RefSeq Size: 4278 bp

RefSeq ORF: 879 bp

Locus ID: 23142

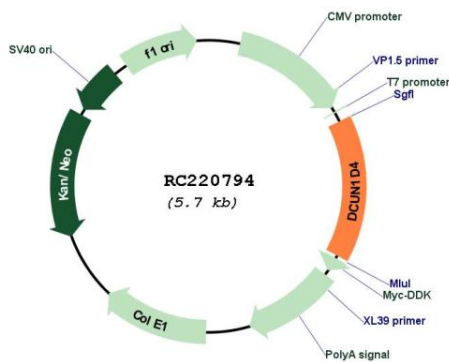
UniProt ID: [Q92564](#)

Cytogenetics: 4q12

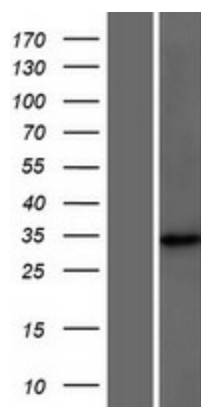
MW: 33.9 kDa

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 are necessary for the activation of cullin-RING E3 ubiquitin ligases (CRLs). [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC220794



Western blot validation of overexpression lysate (Cat# [LY421741]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC220794 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).