

Product datasheet for **MC226531**

Dcun1d1 (NM_001205362) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Dcun1d1 (NM_001205362) Mouse Untagged Clone
Tag: Tag Free
Symbol: Dcun1d1
Synonyms: pTes3; Rp42; SCCRO; Tes3
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC226531 representing NM_001205362
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGATCTTCACACAATCTAGTGAGAAAAGTGCAGTAAGTTGTCTTTCTCAAATGACTGGAAGTTAGATG
TTGCAACAGATAATTTTTTCAAATCCAGAATTTATATACGGGAGAGTGTAAGGATCGTTGGACAG
GAAGAAGTTAGAGCAACTGTACTACTAGATACAAAGACCCTCAGGATGAAAATAAAATTGGAATAGATGGT
ATACAGCAGTTCTGTGATGATCTGGCCCTCGATCCAGCCAGCATCAGTGTGTTGATCATTGCATGGAAGT
TCAGGGCGGCCACACAGTGCAGTTCTCAAACAGGAGTTCATGGATGGCATGACAGAGTTAGGATGTGA
CAGCATAGAAAACTAAAGGCCCAAATACCAAGATGGAACAAGAATTGAAAGAACCAGGACGATTTAAG
GATTTTTACCAGTTTACTTTTAAATTTTGCAAGAATCCAGGACAAAAAGGATTAGATCTAGAAATGGCCA
TTGCTTACTGGAAGTTAGTGCTTAATGGAAGATTTAAATCTTAGACTTATGGAATAAATTTTGTGGA
GCATCATAAACGATCAATACCAAAGACACGTGGAATCTTCTGTTAGACTTCAGTTCAATGATTGCAGAT
GACATGTCCAATTATGATGAAGAAGGAGCATGGCCTGTCCTTATTGATGACTTTGTGGAATTTGCACGCC
CTCAAATTGCTGGGACAAAAAGTACAACAGT**AG**

ACGCGTACGCGGCCGCTCGAGCAGAAAAGTCACTCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001205362
Insert Size: 735 bp



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OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<ol style="list-style-type: none"> 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:	<u>NM_001205362.1, NP_001192291.1</u>
RefSeq Size:	4434 bp
RefSeq ORF:	735 bp
Locus ID:	114893
Cytogenetics:	3 B
Gene Summary:	<p>Part of an E3 ubiquitin ligase complex for neddylation. Promotes neddylation of cullin components of E3 cullin-RING ubiquitin ligase complexes. Acts by binding to cullin-RBX1 complexes in the cytoplasm and promoting their nuclear translocation, enhancing recruitment of E2-NEDD8 (UBE2M-NEDD8) thioester to the complex, and optimizing the orientation of proteins in the complex to allow efficient transfer of NEDD8 from the E2 to the cullin substrates. Involved in the release of inhibitory effects of CAND1 on cullin-RING ligase E3 complex assembly and activity (By similarity). Acts also as an oncogene facilitating malignant transformation and carcinogenic in vivo (PubMed:20563250).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR, lacks a portion of the 5' coding region and uses a downstream, in-frame start codon, compared to variant 1. The encoded isoform (2) has a shorter N-terminus, compared to isoform 1. Variants 2 and 3 encode the same isoform (2). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>