

## Product datasheet for **MC226632**

### Dcun1d1 (NM\_001205361) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Dcun1d1 (NM\_001205361) 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:** >MC226632 representing NM\_001205361  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGAACAAGTTGAAATCATCGCAGAAGGATAAAGTTCGTCAGTTTATGATCTTCACACAATCTAGTGAGA  
AAACTGCAGTAAGTTGTCTTTCTCAAAATGACTGGAAGTTAGATGTTGCAACAGATAATTTTTTTCAAAA  
TCCAGAAGTTTATACGGGAGAGTGAAAAGGATCGTTGGACAGGAAGAAGTTAGAGCAACTGTACTACT  
AGATACAAAGACCCTCAGGATGAAAATAAAATTGGAATAGATGGTATACAGCAGTTCTGTGATGATCTGG  
CCCTCGATCCAGCCAGCATCAGTGTGTTGATCATTGCATGGAAGTTCAGGGCGGCCACACAGTGGCAGTT  
CTCCAAACAGGAGTTCATGGATGGCATGACAGAGTTAGGATGTGACAGCATAGAAAACTAAAGGCCCAA  
ATACCCAAGATGGAACAAGAATTGAAAGAACCAGGACGATTTAAGGATTTTACCAGTTTACTTTTAATT  
TTGCAAAGAAATCCAGGACAAAAAGGATTAGATCTAGAAATGGCCATTGCTTACTGGAAGTTAGTGCTTAA  
TGAAGATTTAAATCTTAGACTTATGGAATAAATTTTTGTTGGAGCATCATAAACGATCAATACAAAA  
GACACGTGGAATCTTCTGTTAGACTTCAGTTCAATGATTGCAGATGACATGTCCAATTATGATGAAGAAG  
GAGCATGGCCTGTCTTATTGATGACTTGTGGAATTTGCACGCCCTCAAATTGCTGGGACAAAAAGTAC  
AACAGT**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001205361  
**Insert Size:** 780 bp



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<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u>NM_001205361.1, NP_001192290.1</u>
<b>RefSeq Size:</b>	4474 bp
<b>RefSeq ORF:</b>	780 bp
<b>Locus ID:</b>	114893
<b>UniProt ID:</b>	<u>Q9QZ73</u>
<b>Cytogenetics:</b>	3 B
<b>Gene Summary:</b>	<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 (1) represents the longest transcript and encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>