

Product datasheet for **MC201914**

Dcp1a (NM_133761) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dcp1a (NM_133761) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Dcp1a
Synonyms:	1110066A22Rik; 4930568L04Rik; AU019772; D14Ert817e; Mitc1; SMIF
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC066173 sequence for NM_133761
 CTTTGCCTGGATGGCACTTTCTGTTCCACAGTCCGCCCCGCCGGAGGGGCTCGGCTCTGAGATCCAAG
 ATGGAGTTGTTGAGTCGAGCTGAGCAAGAGATGAGTCTGGCGCCTTGAAACAACACGACCCCTATATCA
 CCAGCATCGCAGACCTCACGGGCCAGGTGCGCCCTGTACACTTTCTGCCCCAAAGCCAACCAAGTGGGAGAA
 GACTGATATAGAAGGGACGTTATTTGTATACCGAAGGTGAGTTCGCCTTACCATGGCTTTACCATTGTC
 AACCGACTGAACATGCACAATCTGGTTGAGCCAGTGAATAAAGATTTGGAATTTACAGTCCATGAACCAT
 TTCTTCTGTATAGAAATGCAAGTTTGTCAATATACAGTATCTGGTTCTATGACAAGAATGACTGTATCG
 CATAGCAAAACTCATGGCTGATGTGGTAGAAGAGGAGACACGGCGATCCCAGCAGGCTGCTCGAGATAAA
 CAGAGTCCCAGCCAGGCCAATGGCTGCAGCGACCAGAGGCCCATAGATATCCTGGAGATGCTGAGCCGGG
 CCAAGGATGAGTATGAGAGGAATCAGATGGGCGGCTCAAATATCTCCAGTCTGGGCTACAGCCAAGCAC
 TCAGCTCTCTAATCTGGGAAGCACCGAGACTCTAGAAGAGACACCCTCTGGGTACAGGATAAAGTCTGCT
 CCGTCTGGTCATAAACATCTGACAGTAGAAGAGTTATTTGGAACCTCCTTGCCAAAGGAACAACCAACAG
 CTATGGGTCTAGAGTCAGAGGACACAGACAAGCTGCTGGGAGATGCATCACAGAAAGAGCCAGCTCATT
 CCTCCATTTCCCTTTGAGCAGTCAGGGGAGCCCTCAGTCTGAAAACCTGGGTATCCATTCTGCCGCT
 CACCACACAGTTCAGCCTGAAGTCAGCACCCAGTGTGATCACTCCCGCTCCATTGCACAGTCGGGTG
 ACAACATCCCCAAGCTACACGCTCCCACTGAGCCCTGTCTCAGCCCCACTCTGCCAGCTGAAGCTCC
 TACCACACAAGTTCCCCACTTACCTCGGAATAGCACCATGATACAAGCAGTAAAGACCACACCCAGGCAG
 AAATCTCCACTCCTGAACCAGCCAGTCCCTGAGCTAAGCCACAGCAGTCTGGTTGCTAGCCAGAGCCCT
 TCAGAGCCCCGGTGAAGCTAGCAAAACCCAGCTGGCACAGCCCTCCAAGCGTTGATCTGCTTCAGAACT
 CAGGTTGACCCCCACAGCATGACCAAAACAAGCACAGCCGCTTGGAAAAGGAACCATGGCGCCAGCTTT
 TCTTCCGAGCTGGCCAACTGGCCACCCCTGAGAGCTTACAGAACCTTCTTCTAAGACAGCAGCAGCAA
 GAGCAGCAGTCTCAGCCTCCCTGAGCAACATGGTGTCTGCTCAACCCCTCCGGTCTATGCAGCAAAACA
 GATCCTGAAGTATTTCCAGCCTAAGGTGTTACCCAGTGCCATCCCGATTGCAGGCTCTCCATTGGTT
 CCTGCAACACCACAGCAGTATCCTCAGTCTGTGTCCTCCAGTGTGTTCCAGCAAAACGGTTCAGGGG
 CCGCAGACCTAGAGAGGAAGCCAGTCCCCCTCTCCCTCACTGTTGGGACAGCAGAGAGTCAGAGAAA
 GCCTTCCATTATCCTCAGCAAGTCTCAGCTCCAGGACACACTGATACACCTAATAAAGAATGACTCCAGC
 TTCCTCAGTACGTTTATGCAGTTTACTTGCAGGTTCTGACCAAGAACAAGACAACCACAACCTATGAC
 TGCAGTGAAGGCAATGTGAAGGGAGAGGGTCCGCCTCAAGACACGCAGGCTTCTCATGGAACAGCTAAG
 CAGAGCATGGAGCTTGGAGGCTGAGAGCCTTGTCCGTAAAGGATGTTTCTAGAGAGCTTCTCAGTGAT
 GATGGAGGTTTCACTGTGCAGCATCACCAGCAAACCTTTGTTTGACAAAACAACAAGAGACCATTGTGTT
 GAGTGACGTGGGTGTTTTATCAGCTACAAGCCAGTGGGTGGAATGAGGAGCCTGACTGCCGGCTTGCTT
 TCCAGGCCTCGGAGGAGCCACCAGCCTTGCAGCAGAGCTCAGTGGAGCCACGCCTCCCTCCTCTACT
 CCTAGAAGAATTAATGTCAGCTCACAGAGTAACTTCAAGTTTTAAGGATCAGAATTAAGTTGACTCTT
 TGGAAAGGTATTTGTTCAAGTGAAGTATATTTTCTATGAGCACCCCGCTTGGGCTTAAGACTTCTGGGAT
 GTCTTTGTGTTCCGTAGTAGAGGCCGTAAGTGCATTGTAACACTGATAATGCAACATGAAACTCAAGGT
 GCCTACCTGCTCATACAGCGGAGTCGGCCATCATACTGCAACTCAGAGGGGAAGAGAAGGAAGGGCACGGG
 CACAGGAGGACCCTGCGAGTCAGGCACTGAGGGGTCACAGCCTGCGTCTGCTGCTCGTGGCACAC
 CTAAGTCCAGAAATGCTCCGGTCTGAGCAGAGCACCTTACAGTGGGCTTTGAAGGCCACTCAGGAGGAGA
 GTTTCCATGAGGACCAGGCCTCCAGGAGCCTGTGGGTTTAGGTTTGGGTTGTTTTGTTTTTTTA
 TTTCAAGTTTTCAGCAGGAGAGATGTGCAATGTTTCAATAGGATTCGATTTGACTTCACTTTTCAAACG
 CTGCAATGCAATACAGATCACTTTGAAGTGGGAAAAATGCAAAGTTGTGTTTCCCTTTTATCTGTGAAT
 CTTTAAGACAGTGTGTTGCTGTACGTGCTGAGTGGTCTTATTCTACTGCTTCGGCGTGGGCTCCC
 ATGACGTCATTGCACCGGCTCTCAGCCCTTCCGGGGAGGCAAGAAGCCCCGCGCCACCTCGAGCGAAGC
 TTTTGTCCGTGAGCGCAGTACCACCTATTAACCTTTTTAGTGGTGTGGATTTTATACCATCTGTGAT
 GTTTGCAAAATTAAGTTATTACATGTTTCAAATGAGCATTTCATCCTAAATTTTATATGTTTGCAA
 ATATATTTTTTTAATAAAATTTCAAACCAAGTTTTAGCACCTAAAAAATAAAAAAAAAA

Restriction Sites: RsrII-NotI
ACCN: NM_133761
Insert Size: 1809 bp

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).
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:	BC066173 , AAH66173
RefSeq Size:	3209 bp
RefSeq ORF:	1809 bp
Locus ID:	75901
UniProt ID:	Q91YD3
Cytogenetics:	14 18.75 cM
Gene Summary:	Necessary for the degradation of mRNAs, both in normal mRNA turnover and in nonsense-mediated mRNA decay. Removes the 7-methyl guanine cap structure from mRNA molecules, yielding a 5'-phosphorylated mRNA fragment and 7m-GDP. Contributes to the transactivation of target genes after stimulation by TGFB1 (By similarity).[UniProtKB/Swiss-Prot Function]