

Product datasheet for **MR209319**

Dcp1a (NM_133761) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dcp1a (NM_133761) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dcp1a
Synonyms:	1110066A22Rik; 4930568L04Rik; AU019772; D14Erttd817e; Mitc1; SMIF
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR209319 representing NM_133761
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCACTTTCCTGTTCCACAGTCCGCCCCCGCCGGAGGGGCTCGGCTCTGAGATCCAAGATGGAGTTGT
 TGAGTCGAGCTGAGCAAGAGATGAGTCTGGCGGCCTTGAACAACACGACCCCTATATCACCAGCATCGC
 AGACCTCACGGGCCAGGTTCGCCCTGTACACTTTCTGCCCAAAGCCAACCAAGTGGGAGAAGACTGATATA
 GAAGGGACGTTATTTGTATACCGAAGGTGAGTTCGCCTTACCATGGCTTACCATTGTCAACCGACTGA
 ACATGCACAATCTGGTTGAGCCAGTGAATAAAGATTTGGAATTTAGCTCCATGAACATTTCTTCTGTA
 TAGAAATGCAAGTTTGTCAATATACAGTATCTGGTTCTATGACAAGAATGACTGTCATCGCATAGCAAAA
 CTCATGGCTGATGTGGTAGAAGAGGAGACACGGCGATCCCAGCAGGCTGCTCGAGATAAACAGAGTCCCA
 GCCAGGCCAATGGCTGCAGCGACCAGAGGCCCATAGATATCCTGGAGATGCTGAGCCGGGCAAGGATGA
 GTATGAGAGGAATCAGATGGGCGGCTCAAATATCTCCAGTCTGGGCTACAGCCAAGCACTCAGCTCTCT
 AATCTGGGAAGCACCGAGACTCTAGAAGAGACACCCTCTGGGTACAGGATAAGTCTGCTCCGTCTGGTC
 ATAAACATCTGACAGTAGAAGAGTTATTTGGAACCTCCTTGCCAAAGGAACAACCAACAGCTATGGGTCT
 AGAGTCAGAGGACACAGACAAGCTGCTGGGAGATGCATCACAGAAAGAGCCAGCTCATTCTCCCATTT
 CCCTTTGAGCAGTCAGGGGGAGCCCTCAGTCTGAAAACCTGGGTATCCATTCTGCCGCTCACCACACAG
 TTCAGCCTGAAGTCAGCACCCCAAGTGTGATCACTCCCGCCTCCATTGCACAGTCGGGTGACAAACATCC
 CCCAAGCTACACACTCCCACTGAGCCCTGTCTCAGCCCCACTCTGCCAGCTGAAGCTCCTACCACAAA
 GTTCCCCACTTACCTCGGAATAGCACCATGATAACAAGCAGTAAAGACCACACCCAGGCAGAAATCTCCAC
 TCCTGAACCCAGCAGTCCCTGAGCTAAGCCACAGCAGTCTGGTTGCTAGCCAGAGCCCCCTCAGAGCCCC
 GGTTAGCCTAGCAAACCCAGCTGGCACAGCCCTCCAAGCGTTGATCTGCTTCAGAAACTCAGTTGAGCC
 CCACAGCATGACCAAATACAAGCACAGCCGCTTGAAAAGGAACCATGGCGCCCGCTTTCTTCCGCGAG
 CTGGCCAACTGGCCACCCTGAGAGCTTCATAGAGCCTTCTTCTAAGACAGCAGCAGCAAGAGCAGCAGT
 CTCAGCCTCCCTGAGCAACATGGTGCTTCTCAACCCTCCAGTCTATGCAGCAAAACCAGGATCCTGAA
 GTATTTTCCAGCCTAAGGTGTTACCCAGTGCCATCCCGATTGCAGGCTCTCCATTGGTTCTGCAACCA
 CCACAGCAGTATCTTTCAGTCTGCTGTCCCCAGTGTGTCCAGCAAACGGTTCCAGGGCCGAGACCT
 AGAGAGGAAAGCCAGTCCCCCTCTCCCCTCACTGTTGGGACAGCAGAGAGTCAGAGAAAGCCTTCCATT
 ATCCTCAGCAAGTCTCAGCTCCAGGACACACTGATACACCTAATAAAGAATGACTCCAGTCTCTCAGTA
 CGCTTCATGCAGTTTACTTGCAGTTCTGACCAAGAACAAGACAACCACAACCTA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

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MALSCSTVPRRRGSALRSKMELLSRAEQEMSLAALKQHDPYITSIADLTGQVALYTFCPKANQWEKTDI
 EGTLFVYRRSASPYHGFTIVNRLNMHNLVEPVNKDLEFQLHEPFLLYRNASLSIYSIWFYDKNDCHRIAK
 LMADVVEEETRRSQQAARDKQSPSQANGCSDQRPIDILEMLSRKDEYERNQMGSNISSPGLQPSTQLS
 NLGSTETLEETPSGSQDKSAPSGHKHLTVEELFGTSLPKEOPTAMGLESEDTKLLGDASQKEPSSFLPF
 PFEQSGGAPQSENLGIHSAHHTVQPEVSTPVLITPASIAQSGDKHPPSYTLPLSPVLSPTLPAEAPTTQ
 VPHLPRNSTMIQAVKTTPRQKSPLLNQPVELSHSSLVASQSPFRAPVSLANPAGTALPSVDLLQKLRLLT
 PQHDQIQAPLGKGTMAPSFSSAAGQLATPESFIEPSSKTAARAASVSLSNMVLAPTLQSMQQNQDPE
 VFSQPKVLP SAIPIAGSPLVPATTTAVSSVLLSPSVFQQTVPRAADLERKASSPSPLTVGTAESQRKPSI
 ILSKSQLQDTLIHLIKNDSSFLSTLHAVYLQVLTKNKNHNL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9035_g05.zip

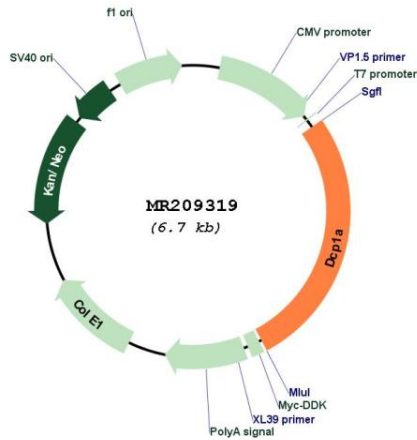
UniProt ID: [Q91YD3](#)

Cytogenetics: 14 18.75 cM

MW: 65.7 kDa

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]

Product images:



Circular map for MR209319