

Product datasheet for RC221165

DCP2 (NM_152624) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DCP2 (NM_152624) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	DCP2
Synonyms:	NUDT20
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC221165 representing NM_152624 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGACCAAACGGGTGGAGATCCCGGCAGCGTCCTGGACGATCTCTGCAGCCGATTTATTTGCATA
TTCCCAGCGAGGAAAGAGACAATGCAATCCGAGTGTGTTTTAGATTGAAGCTTGGCCATTGGTTTTACTT
GGATTTCTACATGCAGAACACACCAGGATTACCTCAGTGTGGGATAAGAGACTTTGCTAAAGCTGTCTTC
AGTCATTGTCCGTTTTGCTGCCTCAAGGTGAAGATGTGGAAAAAGTTTTGGATGAATGGAAGGAATATA
AAATGGGAGTACCAACATATGGTGAATTATTCTTGATGAGACACTTGAAAATGTACTACTAGTTCAGGG
GTACCTAGCAAAATCAGGCTGGGGATTTCCAAAAGGAAAAGTAAATAAAGAAGAAGCTCCTCATGATTGT
GCTGCTAGAGAGGCTTTTGAAGAACTGGTTTTGATATCAAAGACTATATTTGTAAGGATGATTACATTG
AACTTCGAATCAATGACCAGCTTGTCTGTTGTACATCATTCCAGGAATTCAAAAGACACAAAATTTAA
CCCAAAAAGTAAAGAGAAATTCGGAACATTGAGTGGTTCTCTATTGAGAAATGCCTTGTATAGAAAAT
GATATGACCCCAAAATCCAACTTGGTTTGGCACCTAACAAAATTTTTATGGCCATTCCCTTTATCAGAC
CATTAAGGGACTGGCTTCTCGAAGATTGGCGATTCTCAGACAGTGACAATGGATTTTCTCAACTGG
TAGCACGCCGGCTAAACCACTGTGGAAAAATGAGTGAACCAATTCGCCACAGTCAGCAGTTATTT
CCTGACGGTTCTCCTGGTGACCAGTGGGTAAGACACAGGCAACCACTGCAGCAAAAGCCATATAAATC
ATTCTGAAATGTCTGACCTTTTAAAAGGAAAGAATCAAAGTATGAGGGGAAATGGCAGAAAACAGTATCA
AGATTCACCTAATCAAAGAAAAGAACAAATGGCTTCAGCCAGCAAAGCAGCAGAAATCTTTGATGAAG
TGTGAAAAGAACTTCATCCACGAAAATTCAGGATAATTTTGAACAGATGCTGTATATGACTTGCCTA
GCTCCAGTGAAGACCAGTTGCTAGAACATGCTGAGGGACAGCCCGTGGCATGTAATGGACATTGCAAGTT
CCCCTTTTCATCCAGAGCCTTTTGGATTTCAAGTTGACCATAATGCTATAATGAAAATCTTGGACCTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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- 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_152624.6](#)

RefSeq Size: 10198 bp

RefSeq ORF: 1263 bp

Locus ID: 167227

UniProt ID: [Q8IU60](#)

Cytogenetics: 5q22.2

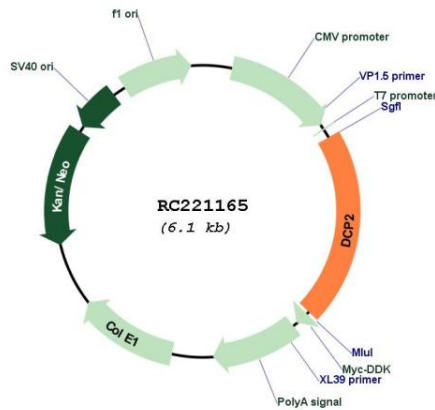
Domains: NUDIX, DCP2

Protein Pathways: RNA degradation

MW: 48.9 kDa

Gene Summary: The protein encoded by this gene is a key component of an mRNA-decapping complex required for degradation of mRNAs, both in normal mRNA turnover, and in nonsense-mediated mRNA decay (NMD). It removes the 7-methyl guanine cap structure from mRNA, prior to its degradation from the 5' end. Alternatively spliced transcript variants encoding different isoforms have been noted for this gene.[provided by RefSeq, Jun 2011]

Product images:



Circular map for RC221165