

Product datasheet for **SC329943**

DCP2 (NM_001242377) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: DCP2 (NM_001242377) Human Untagged Clone
Tag: Tag Free
Symbol: DCP2
Synonyms: NUDT20
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC329943 representing NM_001242377.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

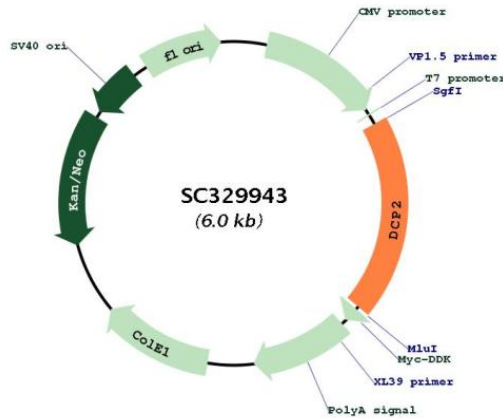
```
ATGGAGACCAAACGGGTGGAGATCCCAGCAGCGTCTGGACGATCTCTGCAGCCGATTTATTTTGCAT
ATCCCAGCGAGGAAAGAGACAATGCAATCCGAGTGTGTTTTAGATTGAACTTGCCATTGGTTTTAC
TTGGATTTCTACATGCAGAACACACCAGGATTACCTCAGTGTGGGATAAGAGACTTTGCTAAAGCTGTC
TTCAGTCATTGTCGGTTTTGCTGCCTCAAGGTGAAGATGTGGAAAAAGTTTTGGATGAATGGAAGGAA
TATAAAATGGGAGTACCAACATATGGTGAATTATTCTTGATGAGACACTTGAAAATGTACTACTAGTT
CAGGGGTACCTAGCAAAATCAGGCTGGGATTTCCAAAAGGAAAAGTAAATAAAGAAGAAGCTCCTCAT
GATTGTGCTGCTAGAGAGGTCTTTGAAGAACTGGTTTTGATATCAAAGACTATATTTGTAAGGATGAT
TACATTGAACTTCGAATCAATGACCAGCTTGCTCGTTGTACATATTCCAGGAATTCAAAAGACACA
AAATTTAACCCAAAAACTAGAAGAGAAATTCGGAACATTGAGTGGTTCTCTATTGAGAAATTCCTTGT
CATAGAAATGATATGACCCCAAATCCAACTGGTTTGGCACCTAACAAATTTTTATGGCCATTTCCC
TTTATCAGACCATTAAGGGACTGGCTTCTCGAAGATTGGCGATTCTCAGACAGTGACAATGGATTT
TCCTCACTGGTAGCACGCCGGCTAAACCCACTGTGGAAAAATTGAGTCGAACCAATTCGCCACAGT
CAGCAGTTATTTCTGACGGTTCTCTGGTGACCAGTGGGTAAGCACAGGCAACCACTGCAGCAAAAG
CCATAATAATCATTCTGAAATGTCTGACCTTTAAAAGGAAAGAAGTGTGAAAAGAACTTCATCCA
CGGAAACTTCAGGATAATTTGAAACAGATGCTGTATATGACTTGCTAGCTCCAGTGAAGACCAGTTG
CTAGAACATGCTGAGGGACAGCCGTGGCATGTAATGGACATTGCAAGTCCCCTTTTCATCCAGAGCC
TTTTGAGTTTCAAGTTTGACCATAATGCTATAATGAAAATCTTGGACCTTTGA
```

Restriction Sites: SgfI-MluI



[View online »](#)

Plasmid Map:



ACCN: NM_001242377

Insert Size: 1158 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:

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_001242377.1](#)

RefSeq Size: 10093 bp

RefSeq ORF: 1158 bp

Locus ID: 167227

UniProt ID: [Q8IU60](#)

Cytogenetics: 5q22.2

Protein Pathways: RNA degradation

MW: 44.4 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]
Transcript Variant: This variant (2) lacks an in-frame coding exon compared to variant 1. This results in a shorter isoform (2) missing an internal protein segment compared to 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.