

## Product datasheet for **RG207398**

### **DCP1B (NM\_152640) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	DCP1B (NM_152640) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	DCP1B
Synonyms:	DCP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG207398 representing NM\_152640  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCAGCCGTGGCGGCAGGCGGCCTGGTGGGAAAGGGCGCGACATCAGCCTAGCGGCCCTGCAGCGCC  
 ACGACCCCTATATCAACCGCATCGTGGACGTGGCCAGCCAGGTGGCTCTGTACACCTTCGGCCATCGGGC  
 CAACGAGTGGGAGAAAAGTATGTGGAAGGAACCTTATTTGTTTATACAAGTCTGCTTCTCCAAAGCAT  
 GGATTCACCATTATGAATAGGCTGAGCATGGAAAAAGGACAGAACCTTACTAAAGACTTGGATTTC  
 AACTCCAGGACCCTTCTCTTCTACAGAAATGCCAGATTGTCCATCTATGGAATTTGGTTTTATGATAA  
 GGAAGAATGCCAAAGAATTGCAGAGCTTATGAAAAACCTAACTCAGTATGAACAGTTGAAAGCCCATCAG  
 GGAAGTGGAGCAGGAATTCACCAGTGATCCTCAATTCAGGAGAGGGCAAAGAAGTAGACATTTACGAA  
 TGCTCATCAAGGCCAAAGACGAATACACAAAGTGTAAAACCTGTTCTGAGCCAAAAAGATAACCCAGTTC  
 CTCTGCCATCTATGACAATCCAAATCTCATCAAACCAATTCAGTGAAACCCAGTGAAAACCCAGCAACAG  
 CGTATACCTCAGCCCAACAGACCTTAGACCCTGAACCCCAACACTTATCCTTGACAGCTCTGTTTGGGA  
 AGCAGGACAAAGCTACATGTGAGAAACTGTGGAGCCTCCGCAGACTCTCCACCAGCAGCAGCAGCAGCA  
 GCAGCAGCAGCAGCAAGAGAAGCTTCCAATTAGGCAGGGGGTGTACGCTCCCTGTCTATGAGGAACCC  
 AGAAGACTCACCCTTATGAGAAGCAGCTCTGTCCAGCCATTCAGAACTCATGGTCAGGAGCGCAG  
 ACCTCCACCCATTGTGAGAGTGCCTGAAAACCGGCCTTGTGAAAATGGCAGTACCCATTCTGCGGGAGA  
 ATTTTTTACAGGACCTGTCCAGCCAGGGTCTCCTCACAACTTGGAACTTCTCGTGGTGTACAAAATGCT  
 TCCAGAAGTCCAGAACTGTTGAGAAACTTCAGAGTACCCAGGGGCAGCAAACAAGTGTGACCCTAGTA  
 CACCAGCACCTGCCAGCTCAGTGCCTGAACCGCAGCAGAGCTCCCACTTCTGTACCCCTGTGGCTCC  
 AGGAAAGGGTCTGGCTCAGCCACCACAGGCCTATTTCAATGGCTCCCTCCACCTCAGACAGTAGGACAT  
 CAGGCTCATGGAAGAGAAGTCCACACTCCCAAGACAAACTCGCCATCTCTGGTAGTACAGACTGGCA  
 GCTCTGGAGTGTCTCCCTCAAGAGTACTGAAGAAGCTTCAAGATTGTACAGCAGGAGCAGCAGCTGCA  
 TGCCTCTAACCGGCCAGCCTTGGCCGCTAAGTTTCTGTGCTCGCTCAGAGCTCTGGAACAGGGAACCC  
 TTGGAATCCTGGATCAACAAGACACCAACACAGAACAGCAGACTCCTCTTTCCAGGTCTCTCACCTC  
 AGCGCATCCCTGTACAGCAGCTCCGTCTGTCTATGTCCCATGGTGTTCGCACAACCCACCTCCGT  
 CCCGCCAAAGGAAAGGGAGAGCGGCCTCTTGCCTGTGGGAGGCCAGGAGCCACCTGCTGCTGCCACCAGC  
 CTCTCTGCCCATACAGAGCCCGAGCCCTCCGTGATCACCAGCAGCCACTCACAAGCTCCAGCTCC  
 AGGAGGCACTGTGTACCTCATTGAGAATGATGACAACCTCTTAATATAATCTATGAAGCTATCTCTT  
 CAGCATGACTCAAGCAGCCATGAAAAAGACTATG

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:**

>RG207398 representing NM\_152640  
 Red=Cloning site Green=Tags(s)

MAVAAGGLVGKGRDISLAALQRHDPYINRIVDVASQVALYTFGHRANEWEKTDVEGTLFVYTRSASPKH  
 GFTIMNRLSMENRTEPITKDLDFQLQDPFLLYRNARLSIYGIWFYDKEECQRIAEMLMKNLTQYEQLKAHQ  
 GTGAGISPVILNSGEGKEVDILRMLIKAKDEYTKCTCSEPKKITSSSAIYDNPNIKPIPVKPSNQ  
 RIPQPNQTLDPPEQHLSTALFGKQDKATCQETVEPPQTLHQQQQQQQQEQKLPVIRQGVVRSLSYE  
 RRHSPPIEKQLCPAIQKLMVRSADLHPLSELPENRPCENGSTHSAGEFFTGVPVQPGSPHNI  
 SRTQNLFEKLQSTPGAANKCDPSTPAPASSAALNRSRAPTSTVTPVAPGKGLAQPPQAYFNGSLPPQTVGH  
 QAHGREQSTLPRQTLAISGSQTGSSGVI SPQELLKQLIYQEQQLHASNRPALAAKFPVLAQSSGTGK  
 LESWINKTPNTEQQTPLFQVISPQRIPATAAPSLLMSPMVFAPQTSVPPKERESGLLPVGGQEP  
 PAAATSLPIQSPPEPSVITSSPLTKLQLQEALLYLIQNDNDFLNIIYEAYLFSMTQAAMKKT

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_152640

**ORF Size:** 1854 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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\\_152640.3](#), [NP\\_689853.3](#)

**RefSeq Size:** 2105 bp

**RefSeq ORF:** 1854 bp

**Locus ID:** 196513

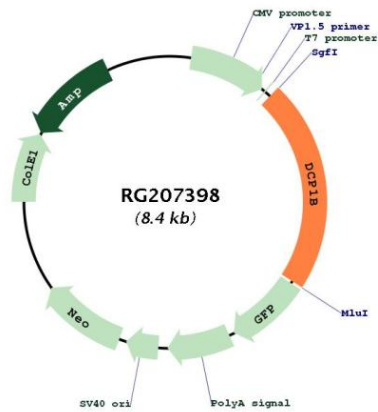
**UniProt ID:** [Q8IZD4](#)

Cytogenetics: 12p13.33

Protein Pathways: RNA degradation

Gene Summary: This gene encodes a member of a family of proteins that function in removing the 5' cap from mRNAs, which is a step in regulated mRNA decay. This protein localizes to cytoplasmic foci which are the site of mRNA breakdown and turnover. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2016]

**Product images:**



Circular map for RG207398