

## Product datasheet for RC238139

### DCP1A (NM\_001290207) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	DCP1A (NM_001290207) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	DCP1A
Synonyms:	HSA275986; Nbla00360; SMAD4IP1; SMIF
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC238139 representing NM_001290207 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGCTGATGTGGTAGAAGAGGAGACACGGCGATCCCAGCAAGCTGCTCGGGACAAACAGAGTCCCAGCC  
AGGCCAATGGCTGCAGCGACCACAGGCCATCGACATCCTGGAGATGCTGAGCAGAGCCAAGGATGAGTA  
TGAGAGGTCTGCTCCATCTGGACACAAGCATCTGACGGTGAAGAGTTATTTGGAACCTCTTTGCCAAAG  
GAACAACCAGCAGTTGTGGGTCTGGATTAGAAGAAATGGAGAGGTTGCCAGGAGATGCCTCCAGAAAG  
AGCCCAATTCATTCTACCATTTCCCTTTGAGCAGTTAGGAGGAGCCCTCAATCAGAAACCTGGGTGT  
CCCTTCTGCTGCCACCATTTCAGTCCAGCCTGAAATCACCAACCCCGGTGCTAATCACTCCAGCCTCCATC  
ACACAGTCCAATGAAAAGCATGCTCCAACCTACACAATCCCGTTGAGCCCTGTTCTCAGTCCCCTCTGC  
CAGCTGAAGCTCCTACTGCACAGGTTCCCCCAGCTTACCTCGAAACAGCACCATGATGCAGGCAGTGAA  
GACCACGCCTAGACAGAGGTCTCCACTCCTGAACCAGCCAGTCCCTGAGCTAAGCCATGCCAGTCTGATT  
GCCAACCAGAGCCCTTCAGGGCCCATTTGAACGTGACGAACACAGCTGGCACATCCCTCCCAAGCGTTG  
ATCTTCTCCAGAACTCAGGTTGACCCACAGCATGACCAAATACAGACACAACCACTTGGGAAAGGTGC  
AATGGTAGCCAGCTTTTCTCCGGCAGCTGGTCACTAGCCACACCTGAGAGCTTCATAGAGCCTCCCTCT  
AAGACAGCAGCAGCAAGAGTGGCGGCTCAGCCTCCCTGAGCAACATGGTGTGCTCCCTTCAGTCTA  
TGCAGCAGAACCAGGATCCTGAAGTATTTGTGCAGCCTAAGGTGTTATCCAGTGCCATCCCGGTTGCAGG  
CGCCCCACTGGTTACTGCAACGACCACTGCAGTGTCTTCACTGCTGGCCCCAAGTGTTCAGCAG  
ACAGTTACAAGATCTTCGGACCTTGAGAGGAAAGCCAGCTCCCTTCTCCTAATACTATTGGAACGCCAG  
AAAGTCAGAGAAAGCCTTCCATTATTCTCAGCAAGTCTCAGCTCCAGGATACATTAATACATCTAATAAA  
GAATGATTCAGCTTCTCAGTACACTCATGAAGTCTACTTGCAGGTTCTGACCAAGAACAAGACAAC  
CACAACTA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTAA



Protein Sequence: >RC238139 representing NM\_001290207  
 Red=Cloning site Green=Tags(s)

MADVVEEETRRSQQAARDKQSPSQANGCSDHRPIDILEMLSRAKDEYERSAPSGHKHLTVEELFGTSLPK  
 EQPAVVGLDSEEMERLPGDASQKEPNSFLPFPFEQLGGAPQSETLGVPSAAHHSVQPEITTPVLITPASI  
 TQSRNEKHAPTYTIPLSPVLSPTLPAPAEPTAQVPPSLPRNSTMMQAVKTTPRQSPLLNQPVPELASHLI  
 ANQSPFRAPLNVNTNTAGTSLPSVDLLQKLRLLTPQHDQIQTPQLGKGAMVASFSPAAGQLATPESFIEPPS  
 KTAARVAASASLSNMVLAQLQSMQQNQDPEVFVQPKVLSAIPVAGAPLVATTTAVSSVLLAPSVFQQ  
 TVTRSSDLERKASSPSPLTIGTPESQRKPSIILSKSQLQDTLIHLIKNDSFSLSTLHEVYLQVLTKNKDN  
 HNL

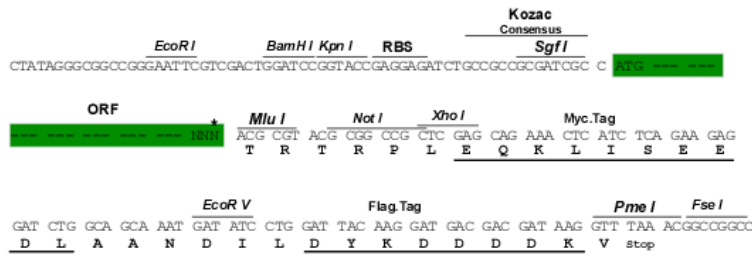
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

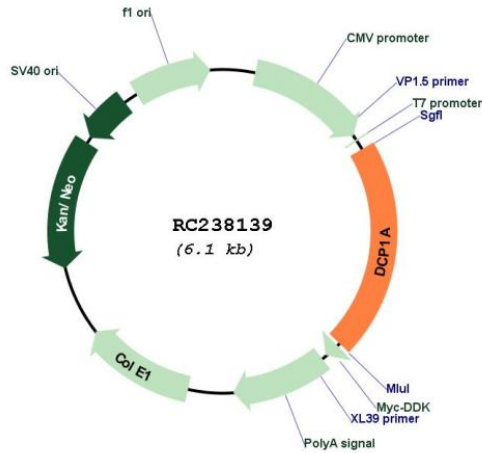
Cloning Scheme:

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM\_001290207

<b>ORF Size:</b>	1269 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001290207.2</a>
<b>RefSeq Size:</b>	5785 bp
<b>RefSeq ORF:</b>	1272 bp
<b>Locus ID:</b>	55802
<b>UniProt ID:</b>	<a href="#">Q9NPI6</a>
<b>Cytogenetics:</b>	3p21.1
<b>Protein Families:</b>	Transcription Factors
<b>Protein Pathways:</b>	RNA degradation
<b>MW:</b>	45.8 kDa
<b>Gene Summary:</b>	Decapping is a key step in general and regulated mRNA decay. The protein encoded by this gene is a decapping enzyme. This protein and another decapping enzyme form a decapping complex, which interacts with the nonsense-mediated decay factor hUpf1 and may be recruited to mRNAs containing premature termination codons. This protein also participates in the TGF-beta signaling pathway. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Feb 2014]