

## Product datasheet for **RC238825**

### DCP1A (NM\_001290204) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	DCP1A (NM_001290204) 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



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**ORF Nucleotide Sequence:**

>RC238825 representing NM\_001290204  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAGGCGCTGAGTCGAGCTGGCAGGAGATGAGCCTAGCGGCCCTGAAACAACACGACCCTATATCA  
 CCAGCATCGCAGACCTCACGGGCCAGGTCGCTCTGTACACCTTCTGCCCAAGGCCAACAGTGGGAGAA  
 GACTGATATAGAAGGGACCTTATTCGTATATCGAAGGTCAGCTTCCCCTTACCATGGTTTTACCATTGTG  
 AATCGACTAAATATGCACAATCTAGTTGAACAGTGAATAAAGATTTGGAATTTAGCTCCATGAACCAT  
 TTCTTCTGTATAGAAATGCAAGCTTGTGATATATAGTATCTGGTTTTATGACAAGAATGACTGTCACCG  
 CATAGCAAACTCATGGCTGATGTGGTAGAAGAGGAGACACGGCGATCCCAGCAAGCTGCTCGGGACAAA  
 CAGAGTCCAGCCAGGCCAATGGCTGCAGCGACCACAGGCCATCGACATCCTGGAGATGCTGAGCAGAG  
 CCAAGGATGAGTATGAGAGGTCTGCTCCATCTGGACACAAGCATCTGACGGTAGAAGAGTTATTTGGAAC  
 CTCTTTGCCAAAGGAACAACCAGCAGTTGTGGTCTGGATTCAGAAGAAATGGAGAGGTTGCCAGGAGAT  
 GCCTCCCAGAAAGAGCCCAATTCATTCTACCATTTCCCTTTGAGCAGTTAGGAGGAGCCCTCAATCAG  
 AAACCCTGGGTGTCCCTTCTGCTGCCACCATTAGTCCAGCCTGAAATCACCACCCCGGTGCTAATCAC  
 TCCAGCCTCCATCACACAGTCCAATGAAAAGCATGCTCCAACCTACACAATCCCCTTGAGCCCTGTTCTC  
 AGTCCCCTCTGCCAGCTGAAGCTCCTACTGCACAGGTTCCCCCAGCTTACCTCGAAACAGCACCATGA  
 TGCAGGCAGTGAAGACCACGCCTAGACAGAGGTCTCCACTCCTGAACCAGCCAGTCCCTGAGTAAGCCA  
 TGCCAGTCTGATTGCCAACAGAGCCCTTCCAGGGCCCATGAACGTGACGAACACAGCTGGCACATCC  
 CTCCCAAGCGTTGATCTTCTCCAGAACTCAGGTTGACCCACAGCATGACCAAAACAGACACAACCAC  
 TTGGGAAAGGTGCAATGGTAGCCAGCTTTCTCCGGCAGCTGGTCAGCTAGCCACACCTGAGAGCTTCAT  
 AGAGCCTCCCTCTAAGACAGCAGCAGCAAGAGTGGCGGCCCTCAGCCTCCCTGAGCAACATGGTGTCTGCT  
 CCCCTTCACTATGCAGCAGAACCAGGATCCTGAAGATTTGTGACGCTAAGGTGTTATCCAGTGCCA  
 TCCCGGTTGCAGGCGCCCACTGGTTACTGCAACGACCACTGCAGTGTCTTCACTCCTGCTGGCCCAAG  
 TGTTTTCCAGCAGACAGTTACAAGATCTTCGGACCTTGAGAGGAAAGCCAGCTCCCTTCTCCTCTAACT  
 ATTGGAACGCCAGAAAGTCAGAGAAAGCCTTCCATTATTCTCAGCAAGTCTCAGCTCCAGGATACATTA  
 TACATCTAATAAAGAATGATTCCAGCTTCTCAGTACACTTCATGAAGTCTACTGCAGGTTCTGACCAA  
 GAACAAAGACAACCACAACCTA

**ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA**

**Protein Sequence:**

>RC238825 representing NM\_001290204  
 Red=Cloning site Green=Tags(s)

MEALSRAQEMSLAALKQHDPYITSIADLTGQVALYTFCKANQWEKTDIEGTLFVYRRSASPHYGFTIV  
 NRLNMHNLVEPVNKDLEFQLHEPFLLYRNASLSIYSIWFYDKNDCHRIAKLMADVVEEETRRSQQAARDK  
 QSPSQANGCSDHRPIDILEMLSRKDEYERSAPSGHKHLTVEELFGTSLPKEQPAVVGLDSEEMERLPGD  
 ASQKEPNSFLPFPEQLGGAPQSETLGVPSAAHHSVQPEITTPVLIPTASITQSNEKHAPTYTIPLSPVL  
 SPTLPAEAPTAQVPPSLPRNSTMMQAVKTPRQRSPLLNPVPELSHASLIANQSPFRAPLNVNTNAGTS  
 LPSVDLLQKLRLTPQHDQIQTPQLGKGMVASFSPAAGQLATPESFIEPPSKTAAARVAASASLSNMVLA  
 PLQSMQNNQDPEVFVQPKVLSAIPVAGAPLVATTTAVSSVLLAPSVFQQTVTRSSDLERKASSPSPLT  
 IGTPEQRKPSIILSKSQLQDTLIHLIKNDSSFLSTLHEVYLQVLTKNKDNHNL

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

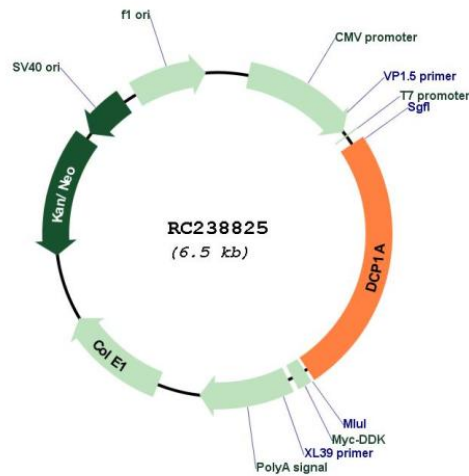
**Restriction Sites:**

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



<b>ACCN:</b>	NM_001290204
<b>ORF Size:</b>	1632 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_001290204.2</a>
<b>RefSeq Size:</b>	5913 bp
<b>RefSeq ORF:</b>	1635 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>	59.8 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]