

## Product datasheet for **RG238825**

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

#### Product data:

Product Type:	Expression Plasmids
Product Name:	DCP1A (NM_001290204) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	DCP1A
Synonyms:	HSA275986; Nbla00360; SMAD4IP1; SMIF
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG238825 representing NM\_001290204.  
 Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGGAGCGCTGAGTCGAGCTGGGCAGGAGATGAGCCTAGCGGCCCTGAAGCAACACGACCCTATATC
ACCAGCATCGCAGACCTCACGGCCAGGTCGCTGTACACCTTCTGCCCAAGGCCAACAGTGGGAG
AAGACTGATATAGAAGGGACCTTATTCGTATATCGAAGGTCAGCTTCCCCTTACCATGGTTTTACCATT
GTGAATCGACTAAATATGCACAATCTAGTTGAACCAAGTGAATAAAGATTTGGAATTTAGCTCCATGAA
CCATTTCTTGTATAGAAATGCAAGCTTGTGCATATATAGTATCTGGTTTTATGACAAGAATGACTGT
CACCGCATAGCAAACTCATGGCTGATGTGGTAGAAGAGGAGACACGGCGATCCCAGCAAGCTGCTCGG
GACAAACAGAGTCCCAGCCAGGCCAATGGCTGCAGCGACCACAGGCCATCGACATCCTGGAGATGCTG
AGCAGAGCCAAGGATGAGTATGAGAGGTCGCTCCATCTGGACACAAGCATCTGACGGTAGAAGAGTTA
TTTGAACCTCTTGCCAAAGGAACAACCAGCAGTTGTGGGTCTGGATTGAGAAGAAATGGAGAGGTTG
CCAGGAGATGCCCTCCAGAAAGAGCCCAATTCATTCTACCATTCCCTTTGAGCAGTTAGGAGGAGCC
CCTCAATCAGAAACCCTGGGTGTCCCTTCTGCTGCCACCATTAGTCCAGCCTGAAATCACCACCCCG
GTGCTAATCACTCCAGCCTCCATCACACAGTCCAATGAAAAGCATGCTCCAACCTACACAATCCCCTTG
AGCCCTGTTCTCAGTCCCCTCTGCCAGCTGAAGCTCCTACTGCACAGGTTCCCCCAGCTTACCTCGA
AACAGCACCATGATGCAGGCAGTGAAGACCACGCCCTAGACAGAGGTCCTCACTCCTGAACCAGCCAGTC
CCTGAGCTAAGCCATGCCAGTCTGATTGCCAACAGAGCCCTTCCAGGGCCCATGGAACGTGACGAAC
ACAGCTGGCACATCCCTCCCAAGCGTTGATCTTCTCCAGAACTCAGGTTGACCCACAGCATGACCAA
ATACAGACACAACCACTGGGAAAGGTGCAATGGTAGCCAGCTTTTCTCCGGCAGCTGGTCAGCTAGCC
ACACCTGAGAGCTTCATAGAGCCTCCCTCTAAGACAGCAGCAGCAAGAGTGGCGGCCCTCAGCTCCCTG
AGCAACATGGGTGCTTGTCCCTTCACTCTATGCAGCAGAACCAGGATCCTGAAGTATTTGTGCAGCCT
AAGGTGTTATCCAGTGCCATCCCGTTGCAGGCGCCCACTGGTTACTGCAACGACCACTGCAGTGTCT
TCAGTCTGCTGGCCCAAGTGTTCAGCAGACAGTTACAAGATCTTCGGACCTTGAGAGGAAAGCC
AGCTCCCCTTCTCCTCTAACTATTGGAACGCCAGAAAGTCAAGAAAGCCTTCCATTATTCTCAGCAAG
TCTCAGCTCCAGGATACATTAATACATCTAATAAAGAATGATTCCAGCTTCTCAGTACACTTCATGAA
GTCTACTTGCAGGTTCTGACCAAGAACAAGACAACCACAACCTA
ACCGGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
  
```

**Protein Sequence:**

>Peptide sequence encoded by RG238825  
 Blue=ORF Red=Cloning site Green=Tag(s)

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MEALSRAQEMSLAALKQHDPYITSIADLTGQVALYTFCKANQWEKTDIEGTLFVYRRSASPHYGFTI
VNRLNMHNLVEPVNKDLEFQLHEPFLLYRNASLSIYSIWFYDKNDCHRIAKLMADVVEEETRRSQQAAR
DKQSPSQANGCSDHRPIDILEMSRAKDEYERSAPSGHKHLTVEELFGTSLPKEQPAVVGLDSEEMERL
PGDASQKEPNSFLPFPFEQLGGAPQSETLGVPSAAHHSVQPEITTPVLITPASITQSNEKHAPTYTIPL
SPVLSPTLPAEAPTAQVPPSLPRNSTMMQAVKTTPRQSPLLNQVPVELSHASLIANQSPFRAPLNVN
TAGTSLPSVDLLQKLRLTPQHDQIQTLGKGMVASFSPAAGQLATPESFIEPPSKTAAARVAASASL
SNMVLAPLQSMQNDPEVVFQPKVLSAIPVAGAPLVATTTAVSSVLLAPSVFQQTVTRSSDLERKA
SSPSPLTIGTPESQRKPSIILSKSQLQDTLIHLIKNDSSFLSTLHEVYLQVLTKNKDNHNL
TRTRPLEMESDESGLPAMEIECRITGLNGVEFELVGGEGTPEQGRMTNKMKSTKGALTFSPYLLSHV
MGYGFYHFGTYPSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
  
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**Restriction Sites:**

Sgfl-Mlul



<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>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]