OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RG238638

DCP1A (NM_001290205) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DCP1A (NM_001290205) 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)

View online »

ORF Nucleotide Sequence:

>RG238638 representing NM_001290205.
Blue=ORF Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAACCATTTCTTCTGTATAGAAATGCAAGCTGTTGAGAAAACAAGAGGCTCAGAGCTGTTTAGGAAT
CTGCTCGAGATTCGCAAAGTGTCGATATATAGTATCTGGTTTTATGACAAGAATGACTGTCACCGCATA
GCAAAACTCATGGCTGATGTGGTAGAAGAGGAGACACGGCGATCCCAGCAAGCTGCTCGGGACAAACAG
AGTCCCAGCCAGGCCAATGGCTGCAGCGACCACAGGCCCATCGACATCCTGGAGATGCTGAGCAGAGCC
AAGGATGAGTATGAGAGGAATCAGATGGGTGACTCAAATATCTCCAGCCCTGGGTTACAGCCAAGCACT
CAGCTCTCCAATCTGGGAAGCACCGAGACTCTAGAAGAAATGCCCTCCGGGTCACAGGATAAGTCTGCT
CCATCTGGACACAAGCATCTGACGGTAGAAGAGTTATTTGGAACCTCTTTGCCAAAGGAACAACCAGCA
GTTGTGGGTCTGGATTCAGAAGAAATGGAGAGGTTGCCAGGAGATGCCTCCCAGAAAGAGCCCAATTCA
TTCCTACCATTTCCCTTTGAGCAGTTAGGAGGAGCCCCTCAATCAGAAACCCTGGGTGTCCCTTCTGCT
GCCCACCATTCAGTCCAGCCTGAAATCACCACCCCGGTGCTAATCACTCCAGCCTCCATCACACAGTCC
AATGAAAAGCATGCTCCAACCTACACAATCCCGTTGAGCCCTGTTCTCAGTCCCACTCTGCCAGCTGAA
GCTCCTACTGCACAGGTTCCCCCCAGCTTACCTCGAAACAGCACCATGATGCAGGCAGTGAAGACCACG
CCTAGACAGAGGTCTCCACTCCTGAACCAGCCAGTCCCTGAGCTAAGCCATGCCAGTCTGATTGCCAAC
CAGAGCCCCTTCAGGGCCCCATTGAACGTGACGAACACAGCTGGCACATCCCTCCCAAGCGTTGATCTT
CTCCAGAAACTCAGGTTGACCCCACAGCATGACCAAATACAGACACAACCACTTGGGAAAGGTGCAATG
GTAGCCAGCTTTTCTCCGGCAGCTGGTCAGCTAGCCACACCTGAGAGCTTCATAGAGCCTCCCTCTAAG
ACAGCAGCAGCAAGAGTGGCGGCCTCAGCCTCCCTGAGCAACATGGTGCTTGCTCCCCTTCAGTCTATG
CAGCAGAACCAGGATCCTGAAGTATTTGTGCAGCCTAAGGTGTTATCCAGTGCCATCCCGGTTGCAGGC
GCCCCACTGGTTACTGCAACGACCACTGCAGTGTCTTCAGTCCTGCTGGCCCCAAGTGTTTTCCAGCAG
ACAGTTACAAGATCTTCGGACCTTGAGAGGAAAGCCAGCTCCCCTTCTCCTCTAACTATTGGAACGCCA
GAAAGTCAGAGAAAGCCTTCCATTATTCTCAGCAAGTCTCAGCTCCAGGATACATTAATACATCTAATA
AAGAATGATTCCAGCTTCCTCAGTACACTTCATGAAGTCTACTTGCAGGTTCTGACCAAGAACAAAGAC
AACCACAACCTA
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC

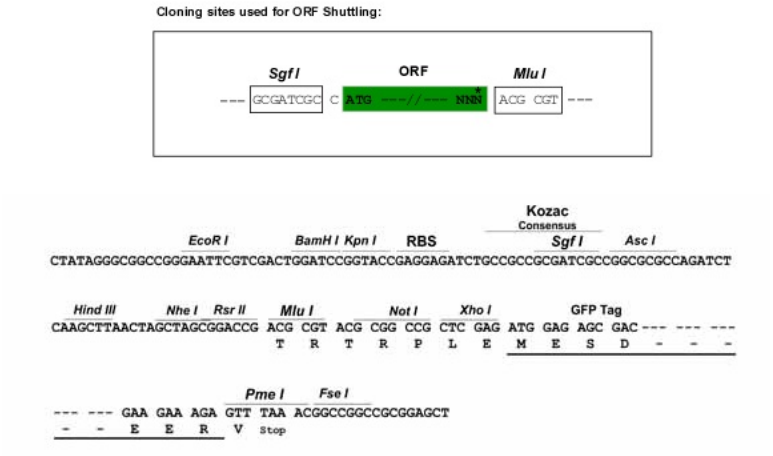
Protein Sequence:

>Peptide sequence encoded by RG238638
Blue=ORF Red=Cloning site Green=Tag(s)

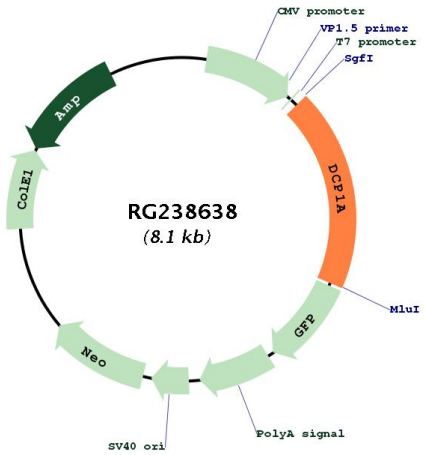
MNHFFCIEMQAVEKTRGSELFRNLLEIRKVSIYSIWFYDKNDCHRIAKLMADVVEEETRRSQQAARDKQ
SPSQANGCSDHRPIDILEMLSRAKDEYERNQMGDSNISSPGLQPSTQLSNLGSTETLEEMPSGSQDKSA
PSGHKHLTVEELFGTSLPKEQPAVVGLDSEEMERLPGDASQKEPNSFLPFPFEQLGGAPQSETLGVPSA
AHHSVQPEITTPVLITPASITQSNEKHAPTYTIPLSPVLSPTLPAEAPTAQVPPSLPRNSTMMQAVKTT
PRQRSPLLNQPVPELSHASLIANQSPFRAPLNVTNTAGTSLPSVDLLQKLRLTPQHDQIQTQPLGKGAM
VASFSPAAGQLATPESFIEPPSKTAAARVAASASLSNMVLAPLQSMQQNQDPEVFVQPKVLSSAIPVAG
APLVTATTTAVSSVLLAPSVFQQTVTRSSDLERKASSPSPLTIGTPESQRKPSIILSKSQLQDTLIHLI
KNDSSFLSTLHEVYLQVLTKNKDNHNL
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMKSTKGALTFSPYLLSHV
MGYGFYHFGTYPSGYENPFLHAINNGGYTNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYYSSVVDSHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_001290205
ORF Size:	1530 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).
RefSeq:	NM_001290205.2
RefSeq Size:	6082 bp
RefSeq ORF:	1533 bp
Locus ID:	55802
UniProt ID:	Q9NPI6
Cytogenetics:	3p21.1
Protein Families:	Transcription Factors
Protein Pathways:	RNA degradation
MW:	55.7 kDa
Gene Summary:	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]