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Product datasheet for RC238356

DCP1A (NM_001290206) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DCP1A (NM_001290206) 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:

>RC238356 representing NM_001290206
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCTGATGTGGTAGAAGAGGAGACACGGCGATCCCAGCAAGCTGCTCGGGACAAACAGAGTCCCAGCC
AGGCCAATGGCTGCAGCGACCACAGGCCCATCGACATCCTGGAGATGCTGAGCAGAGCCAAGGATGAGTA
TGAGAGGAATCAGATGGGTGACTCAAATATCTCCAGCCCTGGGTTACAGCCAAGCACTCAGCTCTCCAAT
CTGGGAAGCACCGAGACTCTAGAAGAAATGCCCTCCGGGTCACAGGATAAGTCTGCTCCATCTGGACACA
AGCATCTGACGGTAGAAGAGTTATTTGGAACCTCTTTGCCAAAGGAACAACCAGCAGTTGTGGGTCTGGA
TTCAGAAGAAATGGAGAGGTTGCCAGGAGATGCCTCCCAGAAAGAGCCCAATTCATTCCTACCATTTCCC
TTTGAGCAGTTAGGAGGAGCCCCTCAATCAGAAACCCTGGGTGTCCCTTCTGCTGCCCACCATTCAGTCC
AGCCTGAAATCACCACCCCGGTGCTAATCACTCCAGCCTCCATCACACAGTCCAATGAAAAGCATGCTCC
AACCTACACAATCCCGTTGAGCCCTGTTCTCAGTCCCACTCTGCCAGCTGAAGCTCCTACTGCACAGGTT
CCCCCCAGCTTACCTCGAAACAGCACCATGATGCAGGCAGTGAAGACCACGCCTAGACAGAGGTCTCCAC
TCCTGAACCAGCCAGTCCCTGAGCTAAGCCATGCCAGTCTGATTGCCAACCAGAGCCCCTTCAGGGCCCC
ATTGAACGTGACGAACACAGCTGGCACATCCCTCCCAAGCGTTGATCTTCTCCAGAAACTCAGGTTGACC
CCACAGCATGACCAAATACAGACACAACCACTTGGGAAAGGTGCAATGGTAGCCAGCTTTTCTCCGGCAG
CTGGTCAGCTAGCCACACCTGAGAGCTTCATAGAGCCTCCCTCTAAGACAGCAGCAGCAAGAGTGGCGGC
CTCAGCCTCCCTGAGCAACATGGTGCTTGCTCCCCTTCAGTCTATGCAGCAGAACCAGGATCCTGAAGTA
TTTGTGCAGCCTAAGGTGTTATCCAGTGCCATCCCGGTTGCAGGCGCCCCACTGGTTACTGCAACGACCA
CTGCAGTGTCTTCAGTCCTGCTGGCCCCAAGTGTTTTCCAGCAGACAGTTACAAGATCTTCGGACCTTGA
GAGGAAAGCCAGCTCCCCTTCTCCTCTAACTATTGGAACGCCAGAAAGTCAGAGAAAGCCTTCCATTATT
CTCAGCAAGTCTCAGCTCCAGGATACATTAATACATCTAATAAAGAATGATTCCAGCTTCCTCAGTACAC
TTCATGAAGTCTACTTGCAGGTTCTGACCAAGAACAAAGACAACCACAACCTA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

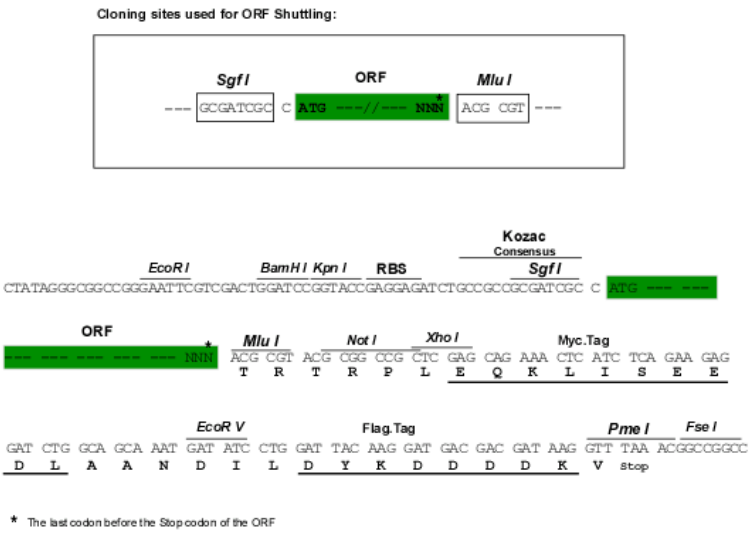
>RC238356 representing NM_001290206
Red=Cloning site Green=Tags(s)

MADVVEEETRRSQQAARDKQSPSQANGCSDHRPIDILEMLSRAKDEYERNQMGDSNISSPGLQPSTQLSN
LGSTETLEEMPSGSQDKSAPSGHKHLTVEELFGTSLPKEQPAVVGLDSEEMERLPGDASQKEPNSFLPFP
FEQLGGAPQSETLGVPSAAHHSVQPEITTPVLITPASITQSNEKHAPTYTIPLSPVLSPTLPAEAPTAQV
PPSLPRNSTMMQAVKTTPRQRSPLLNQPVPELSHASLIANQSPFRAPLNVTNTAGTSLPSVDLLQKLRLT
PQHDQIQTQPLGKGAMVASFSPAAGQLATPESFIEPPSKTAAARVAASASLSNMVLAPLQSMQQNQDPEV
FVQPKVLSSAIPVAGAPLVTATTTAVSSVLLAPSVFQQTVTRSSDLERKASSPSPLTIGTPESQRKPSII
LSKSQLQDTLIHLIKNDSSFLSTLHEVYLQVLTKNKDNHNL

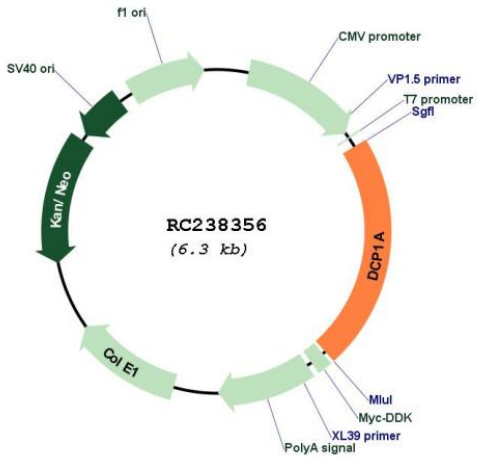
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001290206

ORF Size: 1383 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_001290206.2
RefSeq Size:	5899 bp
RefSeq ORF:	1386 bp
Locus ID:	55802
UniProt ID:	Q9NPI6
Cytogenetics:	3p21.1
Protein Families:	Transcription Factors
Protein Pathways:	RNA degradation
MW:	49.7 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]