

Product datasheet for **SC319488**

DCP1A (NM_018403) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DCP1A (NM_018403) Human Untagged Clone
Tag:	Tag Free
Symbol:	DCP1A
Synonyms:	HSA275986; Nbla00360; SMAD4IP1; SMIF
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_018403.3
 GATGGAGGCGCTGAGTCGAGCTGGGCAGGAGATGAGCCTAGCGGCCCTGAAGCAACACGA
 CCCCTATATCACCAGCATCGCAGACCTCACGGGCCAGGTGCGTCTGTACACCTTCTGCC
 CAAGGCCAACAGTGGGAGAAGACTGATATAGAAGGGACCTTATTCGTATATCGAAGGTC
 AGCTTCCCCTTACCATGGTTTTACCATTGTGAATCGACTAAATATGCACAATCTAGTTGA
 ACCAGTGAATAAAGATTTGGAATTTTCAGCTCCATGAACCATTTCTTCTGTATAGAATGC
 AAGCTTGTGATATATAGTATCTGGTTTTATGACAAGAATGACTGTCACCCGCATAGCAAA
 ACTCATGGCTGATGTGGTAGAAGAGGAGACACGGCGATCCCAGCAAGCTGCTCGGGACAA
 ACAGAGTCCCAGCCAGGCCAATGGCTGCAGCGACCACAGGCCATCGACATCCTGGAGAT
 GCTGAGCAGAGCCAAGGATGAGTATGAGAGGAATCAGATGGGTGACTCAAATATCTCCAG
 CCCTGGGTTACAGCCAAGCACTCAGCTCTCCAATCTGGGAAGCACCGAGACTCTAGAAGA
 AATGCCCTCCGGTCCAGGATAAGTCTGCTCCATCTGGACACAAGCATCTGACGGTAGA
 AGAGTTATTTGGAACCTTTGCCAAAGGAACAACCAGCAGTTGTGGGTCTGGATTGAGA
 AGAAATGGAGAGGTTGCCAGGAGATGCCCTCCAGAAAGAGCCCAATTCATTCTACCATT
 TCCCTTTGAGCAGTTAGGAGGAGCCCTCAATCAGAAACCCTGGGTGTCCTTCTGCTGC
 CCACCATTCAAGTCCAGCCTGAAATCACCACCCCGGTGCTAATCACTCCAGCCTCCATCAC
 ACAGTCCAATGAAAAGCATGCTCCAACCTACACAATCCCGTTGAGCCCTGTTCTCAGTCC
 CACTCTGCCAGCTGAAGCTCCTACTGCACAGGTTCCCCCAGCTTACCTCGAAACAGCAC
 CATGATGCAGGCAGTGAAGACCACGCCTAGACAGAGGTCTCCACTCCTGAACCAGCCAGT
 CCCTGAGCTAAGCCATGCCAGTCTGATTGCCAACCAGAGCCCTTCAGGGCCCCATTGAA
 CGTGACGAACACAGCTGGCACATCCCTCCCAAGCGTTGATCTTCCAGAAACTCAGGTT
 GACCCACAGCATGACCAAATACAGACACAACCACTTGGGAAAGGTGCAATGGTAGCCAG
 CTTTTCTCCGGCAGCTGGTCAGCTAGCCACACCTGAGAGCTTCATAGAGCCTCCCTTAA
 GACAGCAGCAGCAAGAGTGGCGGCTCAGCCTCCCTGAGCAACATGGTGTCTGCTCCCCT
 TCAGTCTATGCAGCAGAACCAGGATCCTGAAGTATTTGTGACGCCTAAGGTGTTATCCAG
 TGCCATCCCGGTTGCAGGCGCCCCACTGGTTACTGCAACGACCACTGCAGTGTCTTCAGT
 CCTGCTGGCCCCAAGTGTTTTCCAGCAGACAGTTACAAGATCTTCGGACCTTGAGAGGAA
 AGCCAGCTCCCCTTCTCCTCTAACTATTGGAACGCCAGAAAGTCAGAGAAAGCCTTCCAT
 TATTCTCAGCAAGTCTCAGCTCCAGGATACATTAATACATCTAATAAAGAATGATTCCAG
 CTTCTCAGTACACTTCATGAAGTCTACTTGCAGGTTCTGACCAAGAACAAGACAACCA
 CAACCTATGACTGGAGCAGAATAAGTCTAAAGGCAGAGCCCAGCCTCAGAGACAATAG
 GCTTCATCATGGAACTTCTGAGCAGAACATTGAGTTTGAAGTCTGAAATTGAGCCTA
 TGAGAAAGAGACTCATTCTTAAGAATGTTTTCCAAGTGACATTCTCAGTGATAATGGAG
 GTTCACTGTGAAGCATCACCAGCAGATCCTTGTTTTGACAAAAAAAAAAAAAAAAAAAA
 AA

Restriction Sites: Please inquire

ACCN: NM_018403

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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:	<ol style="list-style-type: none">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:	<u>NM_018403.3</u> , <u>NP_060873.3</u>
RefSeq Size:	2054 bp
RefSeq ORF:	1749 bp
Locus ID:	55802
UniProt ID:	<u>Q9NPI6</u>
Cytogenetics:	3p21.1
Protein Families:	Transcription Factors
Protein Pathways:	RNA degradation
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) encodes the longest isoform (a). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>