

Product datasheet for **SC116001**

DCTN6 (NM_006571) Human Untagged Clone

Product data:

Product Type: Expression Plasmids

Tag: Tag Free

Symbol: DCTN6

Synonyms: p27; WS-3; WS3

Mammalian Cell None

Selection:

Vector: pCMV6-XL5

E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene ORF within SC116001 sequence for NM_006571 edited (data generated by NextGen Sequencing)

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ATGGCGGAGAAGACTCAAAGAGTGTGAAGATTGCTCCTGGAGCAGTTGTATGTGTAGAA
AGTGAAATCAGAGGAGATGTAACATCGGACCTCGGACAGTGATCCACCCTAAAGCAAGA
ATTATTGCGGAAGCCGGGCCAATAGTGATTGGCGAAGGGAACCTAATAGAAGAACAGGCC
CTTATCATAAATGCTTACCCAGATAATCACTCCTGACACTGAAGATCCAGAACCAAAA
CCTATGATCATTGGCACCAATAATGTGTTTGAAGTTGGCTGTTATCCCAAGCCATGAAG
ATGGGAGATAAATGTCAATTGAATCAAAAGCATATGTAGGCAGAAATGTAATATTGACA
AGTGGCTGCATCATTGGGGCTTGTGCAACCTAAATACATTTGAAGTCATCCCTGAGAAT
ACGGTGATCTATGGTGCAGACTGCCTTCGTCGGGTGCAGACTGAGCGACCGCAGCCCCAG
ACACTACAGCTGGATTTCTTGATGAAAATCTTGCCAAATTACCACCACCTAAAGAAGACT
ATGAAAGGAAGCTCAACTCCAGTAAAGAACTAA
```

Clone variation with respect to NM_006571.3



5' Read Nucleotide

Sequence:

>OriGene 5' read for NM_006571 unedited
 NCGTCAACTTTTGTATACGACTCACTATAGGGCGGCCGGAATTCGCACGAGGACGTTCC
 AATTGGGGCCGTACCATGGCGGAGAAGATCAAAAGATGTGAAGATTGCTCCTGGAGCAGT
 TGTATGTGTAGAAAAGTGAAATCAGAGGAGATGTAACATCGGACCTCGGACAGTGATCCA
 CCCTAAAGCAAGAATTATTGCGGAAGCCGGGCCAATAGTGATTGGCGAAGGGAACCTAAT
 AGAAGAACAGGCCCTTATCATAAATGCTTACCCAGATAATCACTCCTGACACTGAAGA
 TCCAGAACCAAACTATGATCATTGGCACCAATAATGTGTTGAAGTTGGCTGTTATTC
 CCAAGCCATGAAGATGGGAGATAATAATGTCAATTGAATCAAAAGCATATGTAGGCAGAAA
 TGTAATATTGACAAGTGGCTGCATCATTGGGGCTTGTGCAACCTAAATACATTGAAGT
 CATCCCTGAGAATACGGTGTACTATGGTGCAGACTGCCTTCGTGGGTGCAGACTGAGCG
 ACCGCAGCCCCAGACACTACAGCTGGATTTCTTGATGAAAACTTGCCAAATTACCACCA
 CCTAAAGAAGACTATGAAAGGAAGCTCAACTCCAGTAAAGAACTAAGAACAGTGATAAC
 ATGAAGATAACATTTTGTCTTTGACCACTGTCTTTGAATGGGCCACAGTGTTTATGTA
 CTCTTAACAACTCACAGAATAACATGTTCACTTTATTTTGTAAATTGGGGTTGAGAG
 GAAACTAATGGAGNTTCATTGTAACGTCTTTGTNATTATATAAAAGTATTATTTTCCT
 ATATCTGGNNTCTTTCTGATNATTACAGAATTAGCTTTTCTTTGTATAT

3' Read Nucleotide

Sequence:

>OriGene 3' read for NM_006571 unedited
 CGCAATCTAGAGTCGAGTNCCTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT
 TTTTTTTTTTAAAAAGAAAACCCCTTACCTTTATTCACCTGGCCCTTATTAATTTAA
 AAAAAAGTATTATTCAGGGAAAAAACCTGATTAAAGTTTGCTTACTAAAGGCCTGTT
 TTCAACTTTTTTTTTTCACTTTAGCCTTTGCTAAATATAAATCCCTGACAGTTGTTTTT
 TCTTGAAGAGGGTACCCTTTTACATAACTAAAATTGGGGGCTAGCATTTTTTTTAACAAA
 AAAAAACCTAATTCTGTAATTTTCAAAAAAACCCAGGGTTTAGGAAAATAATCCCTT
 TTTTAAATCCCAAGGACAGTTCCAAGGAACCCCTTAGTTCCTCTCACCCCATTTT
 TACAAAATAAAGGAACATGTTTTATTCTGGGAGTTGTTAAAGGCCATAAACCTGGGG
 GCCCTTTCAAAAAACAGGGGCCAAAAACAAATGTTATCTTCATGTTATACACGGCCCTT
 AGTCCTTTACGGAAGTAGACCTTCTTTCTAGCCTTCTTAGGCGGGGTAATTGGGCAA
 GATTTTTCTCAAAAAATCCACCTGTAGTGTCTGGGCGCTGCGGCCCTTAATCTGACC
 CCGACAAAGGCATTCTGCCATAAATCACCGTTTTCCAGGGAAGACCTCCAATGTTTT
 TTAGGTTGCAACAACCCCATGTTGCACCCCTGGGAATTATTACCTCTCGGCCCACTA
 GCCTCTTGATTAAAGAACTTATTATCCCCCTTTTCAAGCCTGGGAATAACCCCCACTT
 CCAACCCCTCTTGGGGGCCAAAGATCATAAGTTTGGGTCCGATCTCAAAGGCAAGAAGT
 GAATATTGGGAAACCTTTTGATAGGGCCCTTCTTCTTAGGCCCTTCCACCCCTTGG
 CCCGTTCCCAATTTCTGCTAAGGAGAACACCGCCAG

Restriction Sites:

NotI-NotI

ACCN:

NM_006571

Insert Size:

1160 bp

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).

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_006571.2, NP_006562.1</u>
RefSeq Size:	1044 bp
RefSeq ORF:	573 bp
Locus ID:	10671
UniProt ID:	<u>O00399</u>
Cytogenetics:	8p12
Domains:	hexapep
Gene Summary:	The protein encoded by this gene contains an RGD (Arg-Gly-Asp) motif in the N-terminal region, which confers adhesive properties to macromolecular proteins like fibronectin. It shares a high degree of sequence similarity with the mouse homolog, which has been suggested to play a role in mitochondrial biogenesis. The exact biological function of this gene is not known. [provided by RefSeq, Jul 2008]