

## Product datasheet for **SC104880**

### **DCTN5 (NM\_032486) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	DCTN5 (NM_032486) Human Untagged Clone
Tag:	Tag Free
Symbol:	DCTN5
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for NM_032486, the custom clone sequence may differ by one or more nucleotides

```
ATGGAGTTGGGCGAGCTGCTCTACAACAAGTCTGAGTACATCGAGACGGCATCTGGGAACAAAGTCAGTC
GCCAGTCAGTGTGTGTGGAAGCCAGAACATCGTTCTCAATGGCAAGACCATTGTGATGAATGACTGTAT
TATCCGAGGGGATCTGGCAAATGTAAGAGTTGGACGTCATTGTGTTGTGAAAAGTCGTAGTGCATAAGG
CCACCATTCAAGAAGTTCAGCAAAGGTGTTGCATTCTTTCCTTTACATATTGGAGACCATGTCTTTATTG
AGGAAGATTGTGGTCAACGCAGCACAGATTGGTTCTATGTTTCATGTTGGAAGAAGTGTGTGATTGG
GCGCCGATGTGTGTTGAAAGACTGCTGCAAAATCTTGACAACACAGTATTACCTCCAGAAACTGTGGTT
CCACCATTCACTGTCTTCTCAGGCTGCCAGGACTCTTCTCAGGGGAGCTCCCGGAGTCACTCAGGAGC
TGATGATTGACGTCACCAAGAGCTACTACCAGAAGTTTTGCCCTGACGCAAGTCTAG
```



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**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_032486 unedited  
 TTCAAATTTTGTAAACGACTCACTATAGGGCGGCCCGCAATTCGCACGAGGCTGAAAG  
 ACTGACCGACTGACTCTGACAGGATCCGGGGCTGAGGGAAGGAGGCGGCCCATGGAGT  
 TGGGCGAGCTGCTCTACAACAAGTCTGAGTACATCGAGACGGCATCTGGGAACAAAGTCA  
 GTCGCCAGTCAGTGTGTGTGGAAGCCAGAACATCGTTCTCAATGGCAAGACCATTGTGA  
 TGAATGACTGTATTATCCGAGGGGATCTGGCAAATGTAAGAGTTGGACGTCATTGTGTTG  
 TGAAAAGTCGTAGTGTGATAAGGCCACCATTCAAGAAGTTCAGCAAAGGTGTTGCATTCT  
 TTCCTTTACATATTGGAGACCATGTCTTTATTGAGGAAGATTGTGTGGTCAACGCAGCAC  
 AGATTGGTTCCTATGTTGTTGTTGGGAAGAACTGTGTGATTGGGCGCCGATGTGTGTTGA  
 AAGACTGCTGCAAAATCTTGACAACACAGTATTACCTCCGAAACTGTGGTTCCACCAT  
 TCACTGTCTTCTCAGGCTGCCAGGACTCTTCTCAGGGGAGCTCCCGAGTGCACCTCAGG  
 AGCTGATGATTGACGTCACCAAGAGCTACTACCAGAAGTNTTGGCCCTGACGCAAGTCT  
 AGCATCTCTGCCTCATGTCTTGGATCTGCTTGAGCTCTAAGATGAACCTGGGACAAAGT  
 GAGCCAGTCAGCACCTACAAAGAGCTTTTGTGTCTTTGACATCTACCACCCTTCTCCTTT  
 TAAAAATTTCTTTAAATTTCTCAATCTCCAGGCTCTAAGTGCTTAAGAATTACTTACAGA  
 CAGACCATCTGGAGGAGCTGGCTTCAAATGCTGGGCTTACACCTTATCTTATGACAGTCC  
 CTTTGTCCATTATCTGTGGGACCN

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_032486 unedited  
 ATGCACCGCGGCACGCAATCTAGTGTGCGAGCTTTTTTTTTTTTTTTTTTTTTTTTTTTT  
 TTTTTTTTCCAAACAAAAACCATCTCCAAGGTTTTTTTATTGAACCCATTTTGGCTA  
 GGCAATATCCTCCCCCTGCCCTTAATCCAGGCTAAGGTACCCCAAGGGGAGTATCCTCA  
 AAAGGCAACTCCCAAAACCAGGATTATTGAAAAATTGGGCAAAGGGTAAGGGACAGCAGG  
 GAAACGGAGGAAAATGAAAACCCAGGGAAAGAGGAAAGGCTGAACTGGACAGCTGATG  
 CTTTGTCTGCCAGCACCCATTCGTCCTTTTTTAAGTAATATCATTGGCCACCACAAC  
 CACCAGCACCAACTTTAATTTTTTGGGGTACATGCCAGGCTTCCATTTGGGGTATTC  
 CATCTTCTGGCCACAATGATGACTTGAGGCTGGATACCTTCTCTGTCGGGACCAATGAA  
 AACCAATTCAGCAGTTCTGCCAGCAAAGGGGAGCTTTTTTATAATAACTGGGGCTGG  
 GGGGCCACACTGTGAAGCCCAAAATAAGCCAACTCAAATGAAAGCAGACCTGAAACCC  
 AAAAAAAGATCCCTGTTTGGAGCTCTGGGATGCACCCTGAACCCATTCTACCCATTCTT  
 TTTAAGTACGGGAACCATTAATTTCCCTTTGCCCAAGGGACCGGAAAGAGTCCCACC  
 CAGGCCCTCCATCGGGTTGGTCTTTTGGAAAGATTTGGGGACAAGGAAATTTATTCCC  
 AGGGTTTAAAAAAGATGGGGGGGACGGCCTGTCCAAGGCCCGGGGGGAAACCCCTGG  
 GAACGGATCCACTCCGCTTTCTTGGAACACCCACGAATGGAAAACATTTGGAAACTGGG  
 ACCAATCTATAACCCCATGTTCCGAAAACCTTTGGTTTGTCTTCCACCCCTGTTTGGAAA  
 AAAAGGCCT

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_032486

**Insert Size:**

3590 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.

**RefSeq:** [NM\\_032486.2](#), [NP\\_115875.1](#)

**RefSeq Size:** 3377 bp

**RefSeq ORF:** 549 bp

**Locus ID:** 84516

**UniProt ID:** [Q9BTE1](#)

**Cytogenetics:** 16p12.2

**Domains:** hexapep

**Gene Summary:** This gene encodes a subunit of dynactin, a component of the cytoplasmic dynein motor machinery involved in minus-end-directed transport. The encoded protein is a component of the pointed-end subcomplex and is thought to bind membranous cargo. A pseudogene of this gene is located on the long arm of chromosome 1. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Jan 2011]

Transcript Variant: This variant (1) encodes the longest isoform (1). 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.