

Product datasheet for **RN208942**

Dctn1 (NM_024130) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dctn1 (NM_024130) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Dctn1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN208942 representing NM_024130 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCCAGAGCAAGAGGCACATGTACAATCGGACGCCAGTGGCAGCAGGATGAGTACGGAGGCAAGCG
CCCGCCCCCTGCGGGTCGGCTCCCCTGTGGAGGTGATTGGGAAGGGCCACCGTGGTACTGTGCCTATGT
TGGAGCTACACTCTTTGCCACTGGCAAGTGGGTGGCGTGATCCTGGATGAAGCAAAGGCAAGAACGAT
GGTACCGTTCAGGGAAGGAAGTATTTACATGCGATGAAGGCCACGGCATCTTTGTACGCCAATCCAGA
TCCAAGTATTTGAAGATGGAGCAGATACTACTCCCCAGAGACTCCTGATTCTTCTGCTTCAAAGATCCT
CAAGAGAGAGGGAGCTGATGCAGCTGCAAAGACCAGCAAAGTGCAGGAGTGAAGCCTAAGAAGGCCACCG
ACAGCCCCGAAAGACCACAAGTGCAGCGCCCAAGCCTACTCGCCAGCCAGTACTGGGGTGGCTGGGCCCA
GTAGCTCCTTGGGCCCTCTGGATCAGCATCAGCCGGTGAAGTGAAGCAGCAGTGAAGCCAGCAGCCAGC
TCAGACTCCGCTGGCAGCAGCCATCATCCCCACACCGGCCCTCACCTCTCCTGGAGCAGCAGCCCACTT
CCTTCTCCCTCTAAGGAAGAGGAAGGGCTGAGGGACCAGGTACGGGACCTGGAGGAGAAGCTGGAGACCT
TGCGTCTGAAACGCTCAGAAGACAAAGCAAAGCTGAAGGAGCTGGAGAAGCACAAGATCCAGCTGGAGCA
GGTGCAGGAATGGAAGAGCAAAATGCAGGAGCAGCAGGCCGACCTGCAGCGGCCCTCAAGGAGGCGAAG
GAAGCCAAAGGAGGCACTGGAGGCAAGGAGCGCTACATGGAGGAGATGGCAGACACAGCCGACGCCATCG
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GATGGGGCTGCGTCCAGTACCAGCTCAAACAGCTGGAGGAGCAGAAATGCCCGCTGAAGGACGCCCTGG
TGAGGATGCGAGATCTCTTCTCAGAGAAGCAGGAGCATGTGAAGCTCCAGAAGCTCATGGAAAAAGAA
GAACCAGGAGCTGGAGGTTGTGAGGCAGCAGCGTGAGCGTCTTCAGGAGGAACTGAGCAGGCAGAGAGC
ACCATCGATGAGCTCAAAGAGCAGGTGGACGCTGCTCTGGGAGCTGAGGAGATGGTGGAGATGCTGACTG
ACCGGAACTGAATCTGGAGGAGAAAGTGCAGAAATTACGGGAGACTGTGGGGGACTTGGAAAGCGATGAA
TGAGATGAATGACGAGCTGCAGGAGAACGCACGCGAGACAGAAGTGGAGCTGCGTGAAGCAGCTGGACATG
GCAGGCGCCGAGTAAGGGAGGCCAGAAAGCGAGTGAAGCCGCCAGGAGACGGTGCAGGACTACCAGC
AGACCATCAAGAAGTACCGCAGTTGACTGCCACCTACAGGATGTCAATCGGGAGCTGACCAACCAGCA
GGAAGCGTCTGTGGAGAGACAGCAGCAGCCACCGCAGAGACTTTTGATTCAAATCAAGTTTGTCTGAG



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ACCAAGGCTCATGCCAAGGCGATCGAGATGGAGTTGAGGCAGATGGAAGTTGCCAGGCCAACCGGCACA
 TGTCCCTGCTGACGGCCTTTATGCCTGACAGCTTCCTTCGGCCAGGGGAGACCATGACTGTCTCTGGT
 GCTGCTGCTCATGCCCGACTCATCTGCAAGGCAGAGCTCATCCGGAAGCAGGCCAGGAGAAGTTTGAC
 CTGAGTGAGAAGTGTTCGGAGCGGCCTGGGCTGCGAGGGGCTGCTGGGGAGCAGCTAAGCTTTGCCGCC
 GGCTGGTGTACTCGTGAGTCTGCTGCAGGCCACACTGCACCGCTACGAGCATGCCCTCTCTCAGTGCAG
 CGTGGACGTGTACAAGAAGGTAGGCAGCCTGTACCCGGAGATGAGTGCCACGAGCGCTCCTTAGATTTT
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 CAGGGTGGCAGGAGGCAACAGATATTGCTCTTCTGCGAGACCTGGAACATCCTGCAGTGACATCC
 GTCAGTTCTGCAAGAAGATCCGACGGCAATGCCAGGGACGGATGCTCCTGGGATCCCAGCAGCGCTGGC
 CTTCCGGCTCACAGGTGTCTGACACACTCCTGGACTGCAGGAAGCACCTGACGTGGGTGGTGTAGCTGTTCTG
 CAGGAGGTGGCAGCTGCAGCCGCCAGCTCATCGCCCCCTGGCAGAGAACGAGGGGCTGCCCGTGGCTG
 CACTGGAGGAGCTGGCTTTCAAAGCAAGCGAGCAGATCTACGGGAGCCCCCAGCAGCCCCACGAATG
 TCTGCGCCAGTCTGCTCCATCCTCATCAGCACGATGAACAAGTTGGCCACAGCCATGCAGGAAGGGCAG
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 TCACAGATGCTGAAGGTCTGGGTTTGAAGCTTGAGGATCGAGAGACAGTCAAGGAGTTAAAGAAGTC
 ACTCAAGATTAAGGGAGAGGAGCTGAGTGAGGCCAACGTGCGGCTGAGCCTCCTGGAGAAGAAGCTGGAC
 AGCGCTGCCAAGGATGCTGATGAGCGAATCGAGAAAGTTCAGACTCGGCTGGAGGAGACGCAGACCTGC
 TACGGAAGAAGGAGAAAGAGTTTGGAGAGACAATGGATGCACTCCAGGCTGACATAGACCAGCTGGAGGC
 AGAGAAGACAGAGCTCAAGCAGCGCCTGAACAGCCAGTCCAAGCGCACTATTGAGGGACTCCGGGGCCCC
 CCTCCATCAGGCATTGCTACCTGGTCTCTGGCATTGCTGGTGGAGAACAAACAGCGAGGGGGCACTCCTG
 GCGAGGCTCCAGGCGCCTTGGCAGGCCCGGGCCGGTGAAGGACTCACCCTGCTTCCAGCAGATCTC
 TGCCATGAGGTTACACATCTCTCAGCTCCAGCATGAGAACAGCATCCTCAGAGGAGCCCAGATGAAGGCG
 TCCTTGGCAGCTCTGCCCTCTGCATGTTGCAAAGTTTTCCCTCCCACCCCATGAGGGCCTGGTGGTA
 ACCTCCTGTCTGGGGCACTGTATCGCAAGACCAGCCAGCTGTTGGAGAACTAAACCAACTGAGCACTTA
 CACCCACGTAGTAGACATCACCCGAAGCAGCCCGCCTGCAAGAGCCATCCGCTCAGCTTATGGAACAA
 GTGGCCAGCTCAAGTCTCTGAGCGACACCATCGAGAAGCTCAAGGATGAGGTCTCAAGGAGACAGTAA
 CTCAGCGTCTGGAGCTACTGTTCCCACTGACTTTGCCACCTCCCTTCATCTGCCTTCTGAGGGCCAA
 GGAAGAGCAGCAAGACGACACAGTCTACATGGCAAAGTGACCTTCTCGTGTGCGGCAGGCTCGGACAG
 CGACACCGCTGGTGTGACCCAGGAGCAGCTGCACCAGCTTACGGTCTCTCATCTCTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_024130
- Insert Size:** 3843 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_024130.1](#), [NP_077044.1](#)

RefSeq Size: 4432 bp

RefSeq ORF: 3843 bp

Locus ID: 29167

UniProt ID: [P28023](#)

Cytogenetics: 4q34

Gene Summary: component of dynein microtubule activated ATPase, which acts as a microtubule motor [RGD, Feb 2006]