

## Product datasheet for RN202032

### Dctn2 (NM\_001004239) Rat Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Dctn2 (NM\_001004239) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Dctn2  
**Synonyms:** MGC93976  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN202032 representing NM\_001004239  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGCGGACCCTAAATACGCCGATCTCCCCGGCATTGCCAGGAACGAGCCAGATGTTTATGAAACCAGCG  
 ACCTACCTGAGGATGATCAAGCAGAGTTTGTATGCGGAGGAGCTGAGCAGCACAAGTGTGGAACACATCAT  
 CGTCAACCCCAACGCTGCCTATGACAAGTTCAAGGACAAGAGAGTAGGGACAAAGGGCTTGATTTCTCA  
 GATCGCATTGGAAAGACCAAGAGGACAGGATATGAGTCTGGAGACTATGAAATGCTTGGAGAGGGTCTGG  
 GAGTAAAGGAGACACCACAGCAGAAGTACCAACGACTACTGCATGAAGTCCAGGAGCTGACAACGGAGGT  
 GGAGAAGATCAAGACAACAGTGAAGGAGTCAAGGAGTCAAGGAGTCAAGGAGTCAAGGAGTCAAGGAGTCAAGGAGT  
 CAGCTGGCCGCTCTGAAGCAGCAGCTGGTACTTCCCACCTGGAGAAGCTTCTGGGACCAGATGCTGCCA  
 TCAACCTCGTGACCCAGATGGAGCCCTAGCTAAGCGCTTACTGCTGCAGCTGGAAGCAACCAAGAGCAG  
 CAAAGGCAGCTCAGGGGGAAAGAGCACAGGTGGCACTCCCCAGATAGCAGCCTTGTCACTTACGAACTC  
 CACTCACGGCTGAGCAGGACAAGTTCTCGAAGCTGCCAAAGTGCAGAACTCGAGAAGCGCCTGACAG  
 AGCTGGAGGCCACTGTCGCTGTGATCAGGATGCTCAGAATCCCCTTCTGCAGGTCTACAGGGAGCCTG  
 CCTTATGGAAACGGTAGAACTGTTACAGGCCAAAGTGAACGCCCTGGACCTTGCAGTTCTGGACCAAGTA  
 GAGGCTCGACTGCAGAGTGTCTGGGAAAGGTGAATGAGATTGCTAAGCAACAGGCATCTGTGGAGGACG  
 CAGACACACAGAATAAGGTGCACCAGCTCTATGAGACCATCCAGCGCTGGAGCCCTGTGGCCTCCACTCT  
 CCCTGAGCTGGTACAGAGACTTGTCAACATCAAGCAGCTTCATGAGCAAGCTATGCAGTTTGGTCAAGCTC  
 CTGACACACTTGGATACCACCCAGCAGATGATGGCGAGTTCTCTTAAGGACAATACTGCCCTCCTGACCC  
 AGGTTCAAGACAACGATGCGTGAAAAGTTGGCCACAGTTGAGGGGAATTTGCCAGCATTGATGCTCGTAT  
 GAAGAAGCTGGAAAGTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_001004239
<b>Insert Size:</b>	1209 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001004239.1</a> , <a href="#">NP_001004239.1</a>
<b>RefSeq Size:</b>	1675 bp
<b>RefSeq ORF:</b>	1209 bp
<b>Locus ID:</b>	299850
<b>UniProt ID:</b>	<a href="#">Q6AYH5</a>
<b>Cytogenetics:</b>	7q22
<b>Gene Summary:</b>	Modulates cytoplasmic dynein binding to an organelle, and plays a role in prometaphase chromosome alignment and spindle organization during mitosis. Involved in anchoring microtubules to centrosomes. May play a role in synapse formation during brain development (By similarity).[UniProtKB/Swiss-Prot Function]