

Product datasheet for MC200162

Dctn2 (NM_027151) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dctn2 (NM_027151) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Dctn2
Synonyms:	2310042E05Rik; C87049; C130077D06Rik; DCTN-50; GMP23-48K; p50; RBP50
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC004613 sequence for NM_027151
 GTCGCCTTTGCTGGGGACCCGGACCCAGCCTCTCCCCACTCGGTACCAGCCCCGGCTCCTCCGAGGCC
 TCGGTCCCCAGCCCCGCTCGCCGCGCCATGGCGGACCCTAAATACGCCGATCTCCCCGCATTGCCA
 GGAATGAGCCAGACGTTTATGAAACCAGCGACCTACCTGAGGATGATCAAGCAGAGTTTGTGCGGAGGA
 ACTGAGCAGCACAAAGCGTGAACACATCATTGTCAACCCCAACGCTGCCTACGACAAGTTCAAGGACAAG
 AGAGTGGGAACAAAGGGGCTTGATTCTCAGATCGCATTGAAAGACCAAGAGGACAGGATATGAGTCTG
 GAGACTATGAAATGCTTGGAGAGGGTCTGGGAGTGAAGGAGACCCGAGCAGAGAAGTACCAACGACTACT
 GCATGAAGTCCAAGAGCTGACAACCTGAGGTGGAGAAGTCAAGACGACAGTGAAGGAGTCAAGCAGGAG
 GAGAAGCTCACCCCTGTGGTCTGGCTAAGCAGCTGGCTGCCCTGAAGCAGCAGCTGGTGGCTTCCCACC
 TGGAGAAGCTTCTGGGACCAGATGCTGCAATCAACCTTGGCGACCCAGACGGAGCCCTAGCTAAGCGCTT
 ACTGCTGCAGCTGGAAGCAACTAAGAGCAGCAAAGGCAGTTCAGGGGGTAAAGCTACAGTGGGGCCCC
 CCAGACAGCAGCCTGGTACCTATGAACTCCACTCACGGCTGAGCAGGACAAGTTCTCTCAAGTGCCA
 AAGTTGCAGAAGCTCGAGAAGCGTCTGACAGAGCTGGAGGCCACTGTCCGATGTGACCAGGATGCTCAGAA
 TCCCCCTTCTGCAGGTCTACAGGGAGCCTGCCTTATGAAACGGTGAAGTGTGCAAGCCAAAGTGAGT
 GCCCTGGACCTTGCAGTTCTGGACCAAGTAGAGGCTCGGCTTTCAGAGTGTCTGGGAAAGGTGAATGAGA
 TTGCTAAGCACAAGGCATCCGTGGAGGACGCAGACACTCAGAACAAGGTGACCAGCTCTATGAGACCAT
 CCAGCGCTGGAGCCCAGTCGCCTCCACCCTCCCTGAACTGGTACAGCGACTTGTACCATCAAGCAGCTG
 CATGAGCAAGCTATGCAGTTTGGTCAGCTCCTGACACACTTGGATACCACCCAGCAGATGATGGCCAGTT
 CCCTTAAGGATAAATACTGCTCTCCTGACCCAGGTGCAGACAAGTGCAGTGAAGAACTTGGCCACAGTTGA
 GGGAACTTTGCCAGCATTGATGCTCGGATGAAGAGGCTGGGAAAGTGAAGCAGTCACTGGGAGCTGGGGAG
 CGGGGATGACCCTTGCCCTGAACTTTGTGACAGCCCTTCCACAGGGTCACTCACAGCCCCAGCCACCTG
 ACAAGGGCAAGGGTTCTTGCATGTGGGGTACACACCCTCCGACAAACAGAGTGGGAGCTGGGGGCTCTT
 ATTGGATGAGGTTGTGGGCCAGCCACATGCAGTTCCTGTAAGTCTTGCCTGTGTGGGAGAG
 GGACTGGATCCCGTCTTAACGTCTGTCTGTGGCCGAGTCTAACACTGTACAACGTCTCTGACCATTA
 AATGCTGTTGTACCGTGGAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI



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ACCN:	NM_027151
Insert Size:	1209 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:	<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:	BC004613 , AAH04613
RefSeq Size:	1653 bp
RefSeq ORF:	1209 bp
Locus ID:	69654
UniProt ID:	Q99KJ8
Cytogenetics:	10 74.5 cM
Gene Summary:	<p>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.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (3) lacks two in-frame exons in the 5' coding region, compared to variant 1. This results in a shorter protein (isoform 3), compared to isoform 1.</p>