

Product datasheet for **MC202014**

Dync1i1 (NM_010063) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dync1i1 (NM_010063) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Dync1i1
Synonyms:	DH IC-1; DHIC-1; DIC; Dncic1; IC74
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC051992 sequence for NM_010063
 AGTGAGCCTCCGCGTACAGCATTAGCAAGCAAACATGTCTGACAAGAGCGACCTAAAGGCCGAGCTGGA
 GCGCAAAAAGCAGCGCTTAGCACAGATAAGAGAGGAGAAGAAACGGAAGGAGAGGAGGAAGAAGAAA
 GAGGCAGATATGCAGCAAAAAGAGCCCGTTCAAGATGACTCCGATCTGGATCGCAAACGACGGGAGA
 CAGAAGCTTTGCTTCAGAGCATTGGCATATCACCGAGCCCCCTAGTCCCAACCCCTATGTCTCCCTC
 TTCGAAATCAGTGAGCACTCCAGTGTCTGGAAGCCAAGACTCGGGCGATCTGGGGCCATTAACAAGG
 ACCCTGCTGGGCGTGTCAAAGGTGACCCAGGTGGATTTCTGCCTAGGGAAGTAGTATCCTACTCCAAGGA
 GACACAGACTCCTCTTGCAACACATCAGTCTGAAGAGGATGAGGAAGATGAGGAGATGGTAGAACCCAAA
 ATTGGTCATGATTCTGAACTGGAGAATCAAGAAAAAAGCAGGAGACAAAGGAAGCCCTCCAAGAGAGT
 TGACGGAGGAAGAAAACAGCAGATCCTGCACTCAGAAGAATTCCTCATCTTTGACCAGGACAATCCG
 AGTAATTGAAAGAGCTTTGCAGAGGACTCGGACATCTTTTTGACTACAGCGGTGAGAGCTGGAGGAG
 AAAGATGGGGATGTGCAGGCTGGAGCCAACCTGTCTTCAACCGTCAGTCTACGATGAACATTGGTCTA
 AGCATCGGGTGGTCACATGTATGGACTGGTCTCTCCAGTACCCTGAGCTGATGGTTGCTTCTATAGCAA
 CAACGAAGATGCTCCCCACGAGCCAGATGGAGTGGCCTTGGTTTGAACATGAAGTTCAAGAAAACCACA
 CCAGAATATGTCTCCACTGTCAGTCTTCTGTGATGTCAGTCTGCTTTGCCCGTTTTATCCTAATTTGG
 TGTTGGTGGCACCTATTCAGGCCAGATTGTCCTCTGGGACAATCGCAGTCATCGAAGAAGCCCTGTCCA
 GAGGACCCCTTGTGAGCCGCTGCACATACACATCCTGTGTACTGTGTCATGTTGTTGGGACCCAGAAT
 GCTCACAACCTGATCACTGTCTTACCAGTGGCAAAATGTGTTCTGGAGCTTGGACATGCTCTCAACCC
 CACAGGAGAGCATGGAGCTGGTGTATAAAGTCCAAGCTGTGGCTGTGACGGGAATGGCTTCCCAAC
 GGGAGACGTCAACAACCTCGTGGTTGGCAGTGAGGAAGGGACCGTCTACACGGCTTGTGTCATGGAAGC
 AAAGCAGGCATCGGTGAGGTCTTTGAAAGTCAACAAGGCCAGTGACAGGCATTAAGTCCACATGGCAG
 TGGTCCCACGACTTTTCTCATCTGTTTGTACGTCTCATTTGACTGGACTGTCAAACCTGGGACCAC
 GAAGCACAAACAAGCCGCTCTACTCCTTTGAAGACAATGCAGACTATGTGTACGATGTCATGTGGTCCCCC
 GTGCATCCCGCGCTCTTTGCCTGCGTGGACGGATGGGGCGCTTGGACCTCTGGAACCTCAACAGTGACA
 CCGAGGTGCCAACAGCAAGTGTGGCCATTGAAGGAGCATCTGCCCTAAACCGAGTTGTTGGGCACAGGG
 TGGCAAGGAAGTTGCGGTAGGGGACTCAGAAGGCCGATTTGGATCTACGATGTTGGAGAGCTTGGCGTT
 CCACACAATGATGAATGGACACGATTTGCCCGGACCTGGTGGAGATCCGCGCCAACAGGGCTGACAGCG
 AGGAGGAAGGGGCTGTTGAGTTAGCTGCCTAGACATGAGATGAGTCTGCCACTCTGGCGCCACCCTTC
 CATGCTAGAACTCAGTCTGCAGTCAAGGCCCGTGCAGTGTGGCGTCTTTCTGTATCAGTATCCCC
 GTGGCATCTTGGGTGCCATATTGTGCAAGTGTTCATCTCCCATATTCTCCACGTGTACCTACTACTCGAAATC
 CACCCACAGCGTTTCTACCTTTGTGTCGCCGTCTCAAAAACAAATGGGGGAGGGAACCTTAGGGGTTTAG
 TTGTTGCCTTTAACTACTTGGTAGCTGTATTTAATAGCTGGAACCTCTGGTTGAATTTGTGCTTACAT
 GTACTTCTGGCGTAGTCTATTAATCCATATGAAGCCAGATATGATTGGGTGCAGATGTGGTGTGCCCTC
 ATGATATGGTACAGGGCCAAAGACTTGAGATGTGGTGTTTACATGGTGATTGCGATTATGAATGGATTT
 ACTACAAGAACATTGCTGCTCCTATTTATTGTAATGTGCTGCATGGAACATATTTATTTGAAAGCATTAA
 AATAAACGATCTTAGAGCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Ascl-NotI

ACCN: NM_010063

Insert Size: 1887 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: [BC051992](#), [AAH51992](#)

RefSeq Size: 2497 bp

RefSeq ORF: 1887 bp

Locus ID: 13426

UniProt ID: [O88485](#)

Cytogenetics: 6 2.26 cM

Gene Summary: Acts as one of several non-catalytic accessory components of the cytoplasmic dynein 1 complex that are thought to be involved in linking dynein to cargos and to adapter proteins that regulate dynein function. Cytoplasmic dynein 1 acts as a motor for the intracellular retrograde motility of vesicles and organelles along microtubules. The intermediate chains mediate the binding of dynein to dynactin via its 150 kDa component (p150-glued) DCNT1. May play a role in mediating the interaction of cytoplasmic dynein with membranous organelles and kinetochores.[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (1) represents the longest transcript and 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.