

## Product datasheet for **MC228464**

### **Dyncli2 (NM\_001198876) Mouse Untagged Clone**

#### **Product data:**

<b>Product Type:</b>	Expression Plasmids
<b>Tag:</b>	Tag Free
<b>Symbol:</b>	Dyncli2
<b>Synonyms:</b>	3110079H08Rik; AW554389; Dncic2
<b>Mammalian Cell Selection:</b>	Neomycin
<b>Vector:</b>	pCMV6-Entry (PS100001)
<b>E. coli Selection:</b>	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC228464 representing NM\_001198876  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGGATCGCC

ATGTCGGACAAAAGTGATTTAAAAGCTGAGTTGGAACGTAAGAAGCAACGGTTGGCCAAAATCAGAGAAG  
 AAAAGAAGAGGAAAAGAAGAGGAAAGGAAAAAAGGAAACTGATCAGAAGAAGGAAGCTGCTGTTTCTGT  
 ACAAGAAGAGTCTGATCTTGAAAAAAGAGAAGCTGAGGCATTGCTTCAAAGCATGGGACTAACT  
 ACGGACTCCCTATTGTCCCTCCTCTATGTCTCCATCCTCCAAGTCGGTGAGCACGCCAAGTGAAGCTG  
 GAAGCCAGGATTCTGGAGATGGCCCGTGGGATCTAGACGAGGACCTATTAACCTTGAATGGCCAAAAT  
 TACTCAAGTTGACTTCCCTCGAGAAATCGTCACATACACAAAGGAAACTCAGACCCCGTTACAGCT  
 CAACCCAAAGAAGATGAGGAGGAGGAAAGATGATGTAGCAACTCCTAAACCTCCTGTTGAACCTGAAGAAG  
 AGAAAACTTTGAAAAAGACGAAGAGAATGATAGCAAAGCTCCACCTCATGAACCTAACTGAAGAAGAAA  
 GCAACAGATTTTACACTCAGAAGAATTTTAAAGTTTCTTTGACCATTCTACGAGAATTGTAGAAAAGGCC  
 CTTTCTGAGCAGATTAACATCTTTTACTACAGTGGGAGAGACTTGGAAAGACAAAGAAGGGGAGATTC  
 AAGCAGGTGCTAAGCTGTCATTAATCGACAGTTCTTTGATGAGCGTTGGTCAAAGCATCGAGTTGTTAG  
 TTGTTTGGATTGGTCATCCAGTATCCAGAATTACTTGTGGCTTCTATAATAACAATGAAGAGGCTCCT  
 CATGAGCCTGATGGTGTGGCCCTCGTGTGGAATATGAAGTACAAAAAACTACCCAGAGTATGTGTTCC  
 ACTGCCAGTCAGTGTAATGTCTGCTACATTTGCAAAATTTTCCGAACTCTTGTGTTGGAGGTACATA  
 TTCAGGCCAGATTGTGCTTTGGGATAACCCGAGCAATAAAAGAAGCTCCTGTCCAGAGAACGCCGCTGTCA  
 GCTGCTGCACACACACCCTGTCTACTGTGTAATGTTGTTGGAACACAAAATGCTCACAATCTGATTA  
 GCATCTCTACTGATGGAAAAATTTGTTCTGGAGTTGGACATGCTTCCCATCCACAGGATAGCATGGA  
 GTTGGTTCATAAACAGTCAAAGGCAGTAGCTGAACATCTATGCTTCCCTGTTGGAGACGTCAACAAC  
 TTTGTTGTGGGAGTGAAGAAGTTCTGTGTATACAGCATGCCGCATGGCAGCAAAGCTGGAATCAGTG  
 AGATGTTTGGAGGACACCAGGACCCATCACTGGAATCCACTGTACCGCGGCTGTTGGAGCAGTAGACTT  
 CTCACATCTGTTTGTCACTTCGTCTTTGACTGGACAGTTAACTTTGGACAATAAGAATAACAAGCCT  
 TTGACTCATTGGAAGATAATTCAGACTATGCTATGATGTTATGTGGTCAACCCACCCAGCCCTGT  
 TTGCCTGTGTGGACGGCATGGGAGACTGGATCTATGGAATCTCAACAATGACACAGAGGTACCAACTGC  
 CAGCATTTCTGTGGAGGCAACCCTGCTCTAACCGTGTGAGATGGACCCACTCAGGAAGAGAAATTGCC  
 GTGGGTGATTCTGAAGGACAGATTGCATCTATGATGTGGGAGAGCAGATCGCTTCCCGAAATGATG  
 AATGGGCAAGATTTGGCCGAACACTCGCAGAAATTAACGCAACCCGAGCTGACGCAGAGGAGGAGGCAGC  
 TACCCGAATCCCTGCCTAG

ACGCGTACGCGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001198876

**Insert Size:** 1839 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).

**OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

**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).

<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>Note:</b>	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
<b>RefSeq:</b>	<a href="#">NM_001198876.1</a> , <a href="#">NP_001185805.1</a>
<b>RefSeq Size:</b>	2545 bp
<b>RefSeq ORF:</b>	1839 bp
<b>Locus ID:</b>	13427
<b>UniProt ID:</b>	<a href="#">O88487</a>
<b>Cytogenetics:</b>	2 42.38 cM
<b>Gene Summary:</b>	<p>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. Involved in membrane-transport, such as Golgi apparatus, late endosomes and lysosomes (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (5; also called 1a.C) lacks multiple exons in the 5' coding region, compared to variant 1. Variant 5 encodes a shorter isoform (5), compared to isoform 1. Variants 5 and 8 encode the same protein.</p>