

## Product datasheet for **MC228591**

### **Dync1i2 (NM\_001198877) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Dync1i2 (NM_001198877) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Dync1i2
Synonyms:	3110079H08Rik; AW554389; Dncic2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC228591 representing NM\_001198877  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGTCGGACAAAAGTGATTTAAAAGCTGAGTTGGAACGTAGAAGCAACGGTTGGCCAAATCAGAGAAG  
 AAAAGAAGAGGAAAGAAGAGGAAAGGAAAAAAGGAAACTGATCAGAAGAAGGAAGCTGCTGTTTCTGT  
 ACAAGAAGAGTCTGATCTTGAAAAAAGAGAAGAGCTGAGGCATTGCTTCAAAGCATGGGACTAACT  
 ACGGACTCCCCTATTGGCTTCTCTCTTTCAGAGGATTCTAGCTTCAATCAAGTTGACATAAACTAGTTT  
 TTTCTGAGTACTGGGTCCTCCTCTATGTCTCCATCCTCAAGTCGGTGAGCACGCCAAGTGAAGCTGG  
 AAGCCAGGATTCTGGAGATGGCGCCGTGGGATCTAGGACGCTGCATTGGGATACAGATCCATCAGTTCTT  
 CAGCTTCACTCAGATTCCGATTTGGGACGAGGACCTATTAACCTTGAATGGCCAAAATTACTCAAGTTG  
 ACTTTCCCTCGAGAAATCGTCACATACACAAAGGAACTCAGACCCCGGTTACAGCTCAACCCAAAGA  
 AGATGAGGAGGAGGAAGATGATGAGCACTCCTAAACCTCCTGTTGAACCTGAAGAAGAGAAAACTTTG  
 AAAAAAGACGAAGAGAATGATAGCAAGCTCCACCTCATGAACCTAAGTGAAGAAGAAAAGCAACAGATTT  
 TACACTCAGAAGAATTTTAAGTTTCTTTGACCATTCTACGAGAATTGTAGAAAGAGCCCTTTCTGAGCA  
 GATTAACATCTTCTTTGACTACAGTGGGAGAGACTTGAAGACAAAGAAGGGGAGATTCAAGCAGGTGCT  
 AAGCTGTCATTAAATCGACAGTTCTTTGATGAGCGTTGGTCAAAGCATCGAGTTGTTAGTTGTTGGATT  
 GGTGATCCAGTATCCAGAATTACTTGTGGCTTCTATAATAACAATGAAGAGGCTCCTCATGAGCCTGA  
 TGGTGTGGCCCTCGTGTGAATATGAAGTACAAAAAAGTACCCAGAGTATGTGTTCCACTGCCAGTCA  
 GCTGTAATGTCTGCTACATTTGCAAAATTCATCCGAATCTTGTGTTGGAGGTACATATTCAGGCCAGA  
 TTGTGCTTTGGGATAACCGCAGCAATAAAGAAGTCTGTCCAGAGAACGCCGCTGTCAGCTGCTGCACA  
 CACACCCCTGTCTACTGTGTAATGTTGTTGGAACACAAAATGCTCACAATCTGATTAGCATCTCTACT  
 GATGGAATAATTTGTTCTGGAGTTTGGACATGCTTTCCCATCCACAGGATAGCATGGAGTTGGTTCATA  
 AACAGTCAAAGGCAGTAGCTGTAACTCTATGTCTTCCCTGTTGGAGACGTCAACAACCTTTGTTGTGGG  
 CAGTGAAGAAGGTTCTGTGTATACAGCATGCCGCCATGGCAGCAAAGCTGGAATCAGTGAGATGTTGAG  
 GGACACCAGGGACCCATCACTGGAATCCACTGTCACGCGGCTGTTGGAGCAGTAGACTTCTCACATCTGT  
 TTGTCACTTCGTCTTTGACTGGACAGTTAACTTTGGACAATAAGAATAACAAGCCTTTGTAATCATT  
 TGAAGATAATTCAGACTATGTCTATGATGTTATGTGGTCAACCCACCCAGCCCTGTTGCTGTGTG  
 GACGGCATGGGGAGACTGGATCTATGGAATCTCAACAATGACACAGAGGTACCACTGCCAGCATTCTGT  
 TGGAGGGCAACCTGCTCTTAACCGTGTGAGATGGACCCACTCAGGAAGAGAAATTGCCGTGGGTGATTC  
 TGAAGGACAGATTGTCATCTATGATGTGGGAGAGCAGATCGCTGTTCCCGAAATGATGAATGGGCAAGA  
 TTTGGCCGAACACTCGCAGAAATTAACGCAACCGAGCTGACGCAGAGGAGGAGGAGCTACCCGAATCC  
 CTGCC**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-MluI

**ACCN:** NM\_001198877

**Insert Size:** 1968 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.

<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>	<u>NM_001198877.1, NP_001185806.1</u>
<b>RefSeq Size:</b>	2663 bp
<b>RefSeq ORF:</b>	1968 bp
<b>Locus ID:</b>	13427
<b>UniProt ID:</b>	<u>O88487</u>
<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 (6; also called 1b.D) differs in the 5' UTR, compared to variant 1, and encodes isoform 1. Variants 1 and 6 encode the same protein (isoform 1).</p>