

## Product datasheet for **MC228578**

### **Dync1i2 (NM\_001198873) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Dync1i2 (NM_001198873) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Dync1i2
Synonyms:	3110079H08Rik; AW554389; Dncic2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC228578 representing NM\_001198873  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTCGGACAAAAGTGATTTAAAAGCTGAGTTGGAACGTAAAGCAACGTTGGCCAAATCAGAGAAG  
 AAAAGAAGAGGAAAGAAGAGGAAAGGAAAAAAGGAAACTGATCAGAAGAAGGAAGCTGCTGTTTCTGT  
 ACAAGAAGAGTCTGATCTTGAAAAAAGAGAGAAGCTGAGGCATTGCTTCAAAGCATGGGACTAACT  
 ACGGACTCCCCTATTGAGGATTCTAGCTTCAATCAAGTTGACATAAACTAGTTTTTCTGAGTACTGGG  
 TCCCTCCTCTATGTCTCCATCCTCAAGTCGGTGAGCACGCCAAGTGAAGCTGGAAGCCAGGATTCTGG  
 AGATGGCGCCGTGGGATCTAGGACGCTGCATTGGGATACAGATCCATCAGTTCTTCAGCTTCACTCAGAT  
 TCCGATTTGGGACGAGGACCTATTAACCTTGAATGGCCAAAATTACTCAAGTTGACTTTCCCTCGAG  
 AAATCGTCACATACACAAAGGAACTCAGACCCCGTTACAGCTCAACCCAAAGAAGATGAGGAGGAGGA  
 AGATGATGTAGCAACTCCTAAACCTCCTGTTGAACTGAAGAAGAAAACCTTTGAAAAAGACGAAGAG  
 AATGATAGCAAAGCTCCACCTCATGAACTAACTGAAGAAGAAAAGCAACAGATTTTACACTCAGAAGAAT  
 TTTAAGTTTCTTTGACCATTCTACGAGAATTGTAGAAAGAGCCCTTTCTGAGCAGATTAACATCTTCTT  
 TGACTACAGTGGGAGAGACTTGGAGACAAAGAAGGGGAGATTCAAGCAGGTGCTAAGCTGTCATTAAT  
 CGACAGTCTTTGATGAGCGTTGGTCAAAGCATCGAGTTGTTAGTTGTTGGATTGGTCATCCCAGTATC  
 CAGAATTACTTGTGGCTTCTATAATAACAATGAAGAGGCTCCTCATGAGCCTGATGGTGTGGCCCTCGT  
 GTGGAATATGAAGTACAAAAAACTACCCAGAGTATGTGTTCCACTGCCAGTCAGCTGTAATGTCTGCT  
 ACATTTGCAAAATTTTCATCCGAATCTTGTGTTGGAGGTACATATTCAGGCCAGATTGTGCTTTGGGATA  
 ACCGACGAATAAAAGAAGTCTGTCCAGAGAACGCCGCTGTGAGCTGCACACACACACCCTGTCTA  
 CTGTGTAATGTTGTTGGAACACAAAATGCTCACAACTGATTAGCATCTCTACTGATGGAAAAATTTGT  
 TCTCGAGTTTGGACATGCTTTCCATCCACAGGATAGCATGGAGTTGGTTCATAAACAGTCAAAGGCAG  
 TAGCTGTAACATCTATGTCTTCCCTGTTGGAGACGTCAACAACCTTTGTTGTGGGACGTGAAGAAGGTTT  
 TGTGTATACAGCATGCCGCCATGGCAGCAAAGCTGGAATCAGTGAGATGTTTGGGGACACCAGGGACCC  
 ATCACTGGAATCCACTGTCACGCGGCTGTTGGAGCAGTAGACTTCTCACATCTGTTTGTCACTTCGTTCTT  
 TTGACTGGACAGTTAACTTTGGACAATAAGAATAACAAGCCTTTGACTCATTGAAGATAATTGAGATA  
 CTATGTCTATGATGTTATGTGGTCAACCCACCCAGCCCTGTTTGCCTGTGTGGACGGCATGGGAGAG  
 CTGGATCTATGGAATCTCAACAATGACACAGAGGTACCAACTGCCAGCATTCTGTGGAGGGCAACCCTG  
 CTCTTAACCGTGTGAGATGGACCACTCAGGAAGAGAAATGCCGTGGGTGATTCTGAAGGACAGATTGT  
 CATCTATGATGTGGGAGAGCAGATCGCTGTTCCCGAAATGATGAATGGGCAAGATTTGGCCGAACACT  
 GCAGAAATTAACGCAAACCGAGCTGACGCAGAGGAGGAGGCAGCTACCCGAATCCCTGC**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001198873

**Insert Size:** 1953 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_001198873.1, NP_001185802.1</u>
<b>RefSeq Size:</b>	2659 bp
<b>RefSeq ORF:</b>	1953 bp
<b>Locus ID:</b>	13427
<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 (2; also called 1a.E) uses an alternate splice acceptor site in the 5' coding region, compared to variant 1. Variant 2 encodes a shorter isoform (2), compared to isoform 1. Variants 2 and 7 encode the same protein.</p>