

## Product datasheet for MC212599

### Dync2li1 (NM\_172256) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Dync2li1 (NM\_172256) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Dync2li1  
**Synonyms:** 4933404O11Rik; CGI-60; D2lic; LIC3; mD2LIC  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC212599 representing NM\_172256  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGCCAGTGAACTCTCTGGAAATCGCAAAGCTGAGGTAGAGAAACGGAGAAGTCATGGGAGCGAAG  
GGGACGGAGCTGAAATCGGAGAAAAATCTGTTTTCTTCATTGGCAGTAAAAACGGGGAAAGACAACCAT  
TATCCTAAGGTGTCTTGACAGGGATGAGTCAGCAAAGCCGACCTTAGCGTTGGAGTACACGTACGGAAGG  
AAGACCAAGGGGCACAACACGCCAAAAGACATTGCTCACTTTTGGGAACTGGGTGGAGGAACCTCCTTGC  
TGGACTTAATCAGCATACCAATCACAGTCGACACCTTAAGGACATTTTCTATTGTTCTTGTTTTGGATCT  
TTCCAAACCTAATGATCTTTGGTCAACCATGAAAAATCTGTTGCAAGCCACAAAAAGCCATGTAGACAAG  
GTGATAATGAAGCTGGGCAAGACAAGCTCCAAGGCTTCGGCCGAGATGCGGCAACGAATGTGGAGCGTGG  
TGCAGAAGGACCATCCGGACCGGAATTAATTGACCCATTTCCAATACCTCTGGTCATTATTGGAAGTAA  
ATATGATATTTCCAGGATTTTGATCCTGAGAAGAGAAAGGTGATATGTAAGACCCTGCGCTTTGTGGCA  
CATTACTACGGAGCCTCGCTGATGTTTACCAGCAAGTCAGAAGCTCTGTTACTGAAGATACGCGGTGTTA  
TCAACCAGTTGGCATTTCGGTATTGATAAAAAGCAAATCAATATGTGTGGATCAAAAATGAGCACTGTTTAT  
CACAGCAGGACTGGATTCTTTATGTGATAGGGTCTCCTCCTGTTCTGACAGTGACATTGGAAAACCT  
CAGGCCCACTCACCTATGGAGCTGTGAAAAAGGTGTATGACAAGCTCTCCACCAAAAGAGTACCGGCA  
CCCTGAAGGCGGTCCAGGACCCAGCCGAGACCCGAGTATGCAGAAAGCGAAGTCGATGAGATGAGGGT  
TCAGAAGGACCAGGAAGTACAAGACTACAAGAGAAGCTCCTCTAAGACCTGGAAGCAAATCGAGCTGGAC  
TCCTGA

**ACGGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_172256



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<b>Insert Size:</b>	1056 bp
<b>OTI Disclaimer:</b>	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).
<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_172256.1, NP_758460.1</u>
<b>RefSeq Size:</b>	1378 bp
<b>RefSeq ORF:</b>	1056 bp
<b>Locus ID:</b>	213575
<b>UniProt ID:</b>	<u>Q8K0T2</u>
<b>Cytogenetics:</b>	17 E4
<b>Gene Summary:</b>	Required for correct intraflagellar transport (IFT), the bi-directional movement of particles required for the assembly, maintenance and functioning of primary cilia (PubMed:15371312). Involved in the regulation of ciliary length (By similarity).[UniProtKB/Swiss-Prot Function]