

Product datasheet for **SC116269**

DYNC1LI2 (NM_006141) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DYNC1LI2 (NM_006141) Human Untagged Clone
Tag:	Tag Free
Symbol:	DYNC1LI2
Synonyms:	DNCLI2; LIC2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC116269 sequence for NM_006141 edited (data generated by NextGen Sequencing)

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ATGGCGCCGGTGGGGGTGGAGAAGAAGCTGCTGCTAGGTCCCAACGGGCCCGGGTGGCG
GCCGCCGGCGACCTGACCAGTGAGGAGGAGGAAGGCCAGAGCCTATGGTCTCCATTCTG
AGCGAAGTGTCCACCCGCGCCAGGTCCAAGCTGCCGTCCGGCAAGAACATCCTGGTCTTC
GGTGAAGATGGTTCTGGTAAAACAACCCCTCATGACTAAACTACAAGGAGCTGAGCATGGC
AAAAAGGAAGAGGCCTAGAATATCTCTACCTCAGTGTCCATGATGAGGACCGAGATGAT
CACACGCCGTGCAACGTGTGGATTCTGGATGGAGACTTGTACCACAAAGGCCTGCTGAAA
TTTGACAGTTTCTGCTGAATCCTTGCCAGAGACCCTCGTCATTTTTTGTGACAGACATGTCT
AGACCTTGGACTGTGATGGAATCTCTGCAGAAATGGGCTAGTGTTTTACGTGAGCACATT
GATAAAATGAAAATTCACCAGAAAAATGAGGGAGCTGGAACGGAAGTTTGTGAAAGAT
TTTCAAGACTATATGGAACCTGAAGAAGTTGTCAAGTTCCCCACAGAGAAGAGGCCCT
CTGACCTCAGGCTCCGATGAAGAAAATGTTGCCCTGCCTCTGGGTGACAAATGTGCTGACT
CATAACCTGGGGATCCCGGTGTTGGTGGTGTGCACAAAGTGTGATGCGGTGAGTGTCTG
GAGAAGGAGCACGATTACAGGGATGAGCATTGGACTTTATCCAGTCACACCTGCGGAGG
TTCTGCCTTCAGTATGGAGCTGCCTTGATTTACACATCAGTGAAGAAGAGAAAAACCTC
GACTTGTGTATAAGTATATTGTTTCATAAAACATACGGTTTCCACTTCACCACACCTGCC
TTAGTTGTGAAAAGGATGCCGTTTTTATACCTGCAGGCTGGGACAATGAAAAGAAAATA
GCTATTTTACATGAAAATTTTACAACCGTGAAGCCGGAAGATGCATATGAAGACTTTATT
GTGAAACCTCCCGTGAGAAAAGCTGGTCCACGACAAAGAGTTGGCAGCAGAAGATGAGCAG
GTGTTCCATGAAGCAACAGTCACTCCTTGCCAAGCAACCAGCCACTCCCACGAGAGCT
TCTGAATCTCCTGCAAGAGGACCCTCTGGCTCTCAAGGACCCAGGGTCGGGGAGGGCCA
GCCAGTGTGCCTAGCTCCTCCCCAGGCAGTCAAGTAAAAAGCCGGACCCAAACATCAA
AATAATGCAGCAAGTGAAGGGGTGTGGCCAGCTTCTTCAACAGTCTGTTGAGTAAAAAG
ACAGGCTCTCCTGGAAGTCTGGTGTGGTGGGGTGCAGAGCACAGCAAGAAAGTCAGGA
CAAAAGACTGTGTGCAAAATGTTCAAGAAAGTGGATAGAATGACTCGAAAGCCAGAC
TCTATGGTAACAAACTCTTCAACAGAAAATGAAGCCTGA
    
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Clone variation with respect to NM_006141.2

5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_006141 unedited
GTCAAATTTTGTATACGACTCCTATAGGGCGGCCGCAATTCGCACGAGGCCTCGTGCCG
AATTTCGGCACGAGGCGCAACCCGTGGGAGCCCGTGGCCATCGCAGACTTAGAGGACACGT
TGGGCGGCGCAGTCGCGCGGCAAGGTGCGGCGGCGCGCGGCGGAGGGACGGCGAGCG
GGGGCGGCCCGCCCGGGTCTCGCGGGTCTCGCGGGCCCGGGGAGGGCCCTCTTT
GTGGCTGCAGTTGGCAAGATGGCGCCGGTGGGGTGGAGAAGAAGCTGCTGCTAGGTCCC
AACGGGCCCGCGGTGGCGCCGCGCCGACCTGACCAGTGAGGAGGAGGAAGGCCAGAGC
CTATGGTCTCCATTCTGAGCGAAGTGTCCACCCGCGCCAGGTCCAAGCTGCCGTCCGGC
AAGAACATCCTGGTCTTTCGGTGAAGATGTTTCTGGTAAAACAACCCCTCATGACTAAACTA
CAAGGAGCTGAGCATGGCAAAAAGGAAGAGGCCTAGAATATCTCTACCTCAGTGTCCAT
GATGAGGACCGAGATGATCACACGCGTGAACGTGTGGATTCTGGATGGAGACTTGAC
CACAAAGGCTGCTGAAATTTGCAAGTTTCTGCTGAATCCTTGCCAGAGACCCTCGTCATT
TTTGTGACAGACATGTCTAGACCTTGGACTGTGATGGAATCTCTGCAGACATGGGCTAGT
GTTTTACGTGAGCACATTGATAAAATTTGAAATTCACCATAAAAAATGATGGAGCTGGAA
CGTAATTTGTGAAAGATTTCCAGACTATATTGAACTTGAAGAAAGTTGTTCAAGCTTC
TCCACAGAGAAGAAGGCCCTCTGACCTCCGGTCCGATGAAAGAAATGTTTGCCTCGCT
CTTGGTGACAATGTGCTGACTCCTACCCGGGGTTCN
    
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_006141 unedited TTACCGCGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTAAAGTTCATCTCCCC TGCCCCAAAAAAGTATAGCATGTGCCATATCAGAAAAATCCTGGTCTTAGCAGATCAAT ATACATAGTTATTTGGTCATTCGACATATGCACTTTTTAAGGAGGTTCCAGGCTTCATTTT CTGTTGAAGAGTTTGTACCATAGAGTCTGGCTTCGAGTCATTCTATCCAGTTCCTCCT GAACATTTGACAACACAGTCTTTTGTCTGACTTCTTGGCTGTGCTCTGCACCCACCAG CACCAGGACTTCCAGGAGAGCCTGTCTTTTACTCAACAGACTGTTGAAGAAGCTGGCCA ACACCCCTTCACTTGTGCATTATTTTGTGTTGGGTCCGGCTTTTTTACTGACGTGC CTGGGGAGGAGCTAGGCACACTGGCTGGCCCTCCCCGACCTGGGTCTTGGAGACCCAG AGGGTCTCTTGCAGGAGATTGAGAAGCTCTCGTGGGAGTGGCTGGTTGCTTGGCAAGGA GTGACTGTTGCTTATTAGGAACACCTGCTCATCTTCTGCTGCCAAGCTTTTGTGCTGGA CCAGCTTTCTCACGGGAGGTTTCAATAAAGTCTTCATATGCATCTTCCGGCTTACGG TTGTAAAATTTTTCATGAAAATAGCTATTTTCTTTTCTTACTGATGTAATCAGGCAGCTC AACGGCATCTTTTACACACTAAGCANGTGTGGTGAAGTGAAACGTATGNTTTATGAA CATTATACTATAACCACAGTCGAGGTTTTCTTCTTTACTGAGTGAATCAGGCAGCTC ATACTGAAGGCAGACCTCCGAGTGTGACTGGATAAGCCCAATGCTANCCGAAATCGGC TCCNTTTCAGGACATCACCGATAAACTTGGGCACACCAACCGGATTCCAGNTTGGAT CCCCATTGTCCAAA
Restriction Sites:	NotI-NotI
ACCN:	NM_006141
Insert Size:	1880 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:	<ol style="list-style-type: none"> 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:	NM_006141.2 , NP_006132.1
RefSeq Size:	4352 bp
RefSeq ORF:	1479 bp
Locus ID:	1783
UniProt ID:	O43237
Cytogenetics:	16q22.1
Protein Families:	Druggable Genome

Gene Summary:

Cytoplasmic dynein is a microtubule-associated motor protein (Hughes et al., 1995 [PubMed 7738094]). See DYNC1H1 (MIM 600112) for general information about dyneins.[supplied by OMIM, Mar 2008]