

Product datasheet for **SC107075**

DC2L1 (DYNC2LI1) (NM_015522) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DC2L1 (DYNC2LI1) (NM_015522) Human Untagged Clone
Tag:	Tag Free
Symbol:	DYNC2LI1
Synonyms:	CGI-60; D2LIC; LIC3
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for NM_015522, the custom clone sequence may differ by one or more nucleotides

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ATGCCAGTGAACTCTCTGGGAAATTGCAAAGCTGAAGTGGAAAAAGGGGAATTAATGGAAGTGAAG
GTGATGGAGCTGAAATTGCAGAAAAATTTGTTTTCTTCATTGGCAGTAAAAATGGGGAAAGACTACTAT
TATTCTAAGGTGTCTTGACAGAGATGAACCACAAAACCAACCTTAGCTTTGGAATATACATATGGAAGA
AGAGCAAAAGGGCACAACACACCAAAAAGATATCGCTCACTTTTGGGAACTCGGTGGAGGAACCTCTTAT
TGGACTTAATCAGCATACCCATCACAGGTGACACCTTACGGACGTTTTCTTGTCTCGTTCTGGATCT
TTCAAAACCTAATGATCTCTGGCCACCATGGAAAATCTCTTGCAAGCCACAAAAGCCATGTAGACAAA
GTGATAATGAAACTGGGAAAGACAAATGCTAAAGCAGTTTCTGAAATGAGACAGAAGATCTGGAATAATA
TGCCGAAGGATCATCCTGTGAGTTGCTGTTTGGGATTATTACTGGAATCCTTAGTCCCATTATAGTTAA
TGATAACATCACAAACAACCTTCTTTAGATTTTTATGCATGACTTGA
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_015522 unedited GTAATACGACTTACTATAGGGCGGCCGGAATTCGGCACGAGGCTGGTCACTACTCCGAG CCTGTGACGTTTTCGGCAGCCAGGCCGTCGACGATGCCAGTGAAACTCTCTGGGAAATT GCAAAAGCTGAAGTGAAAAAAGGGGAATTAATGGAAGTGAAGGTGATGGAGCTGAAATT GCAGAAAAATTTGTTTTCTTATTGGCAGTAAAAATGGGGAAAGACTACTATTATTCTAA GGTGTCTTGACAGAGATGAACCACAAAACCACTTAGCTTTGGAATATACATATGGAA GAAGAGCAAAAGGGCACAAACACACCAAAAGATATCGCTCACTTTTGGGAACTCGGTGGAG GAACCTCTTTATTGGACTTAATCAGCATACCCATCACAGGTGACACCTTACGGACGTTTT CTCTTGTCTCGTTCTGGATCTTTCAAAACCTAATGATCTCTGGCCACCATGAAAAATC TTCTTGCAAGCCACAAAAGCCATGTAGACAAAGTGATAATGAAACTGGGAAAGACAAA TGCTAAAGCAGTTTCTGACATGAGACAGAAGATCTTGGATAATATGCCGCAAGATCATCC TGATCATGAATTAATTGACCCATTTCCGGTACCTCTGGTCATAATTGGAAGTAAATATGA TGTTTTNTCAAGATTTTGAGCCTGACAAGAGAAAGTTATATGCAAGACACTTCCAATTGCT GCCCTTATTTATGCAACATATTTATGTTTACCACTAAATCAAAACCTTTTTACTAAAATA CGTGGAGTTATCACCCATTTGCATTTTGCATTGACCAAAACAATCACTTTGTGTGGATC TCAACTACCCGCTGTTTATAACCCCGAATTGCTTTCTTTTGGCCAAAATAGAACCCTT CTGTTCCTAAATATGACATTGAAACCTTACCCAATCCAATTATGGATTGCGGAAAAA TGG
Restriction Sites:	NotI-NotI
ACCN:	NM_015522
Insert Size:	3420 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_015522.2 , NP_056337.1
RefSeq Size:	1157 bp
RefSeq ORF:	606 bp
Locus ID:	51626
UniProt ID:	Q8TCX1
Cytogenetics:	2p21

Gene Summary:

This gene encodes a protein that is a component of the dynein-2 microtubule motor protein complex that plays a role in the retrograde transport of cargo in primary cilia via the intraflagellar transport system. This gene is ubiquitously expressed and its protein, which localizes to the axoneme and Golgi apparatus, interacts directly with the cytoplasmic dynein 2 heavy chain 1 protein to form part of the multi-protein dynein-2 complex. Mutations in this gene produce defects in the dynein-2 complex which result in several types of ciliopathy including short-rib thoracic dysplasia 15 with polydactyly (SRTD15). Alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Feb 2017]

Transcript Variant: This variant (2) differs in the 3' coding region and 3' UTR, compared to variant 1. The resulting isoform (2) has a distinct C-terminus and is shorter than isoform 1.