

Product datasheet for **SC321051**

DC2L1 (DYNC2LI1) (NM_016008) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DC2L1 (DYNC2LI1) (NM_016008) Human Untagged Clone
Tag:	Tag Free
Symbol:	DC2L1
Synonyms:	CGI-60; D2LIC; LIC3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_016008.2
 GTTCTAGGCTGGTCACTACTCCGAGCCTGTGACGTTTGCGGCAGCCAGGCCGTCGACGA
 TGCCCAAGTGAAGTCTCTGGGAAATTGCAAAAGCTGAAGTGGAAAAAGGGGAATTAATG
 GAAGTGAAGTGATGGAGCTGAAATTGCAGAAAAATTTGTTTTCTCATTGGCAGTAAAA
 ATGGGGGAAAGACTACTATTATTCTAAGGTGTCTTGACAGAGATGAACCCAAAAACCAA
 CCTTAGCTTTGGAATATACATATGGAAGAAGAGCAAAAGGGCACAACACACCAAAAGATA
 TCGCTCACTTTTGGAACTCGGTGGAGAACCTTTTATTGGACTTAATCAGCATACCCA
 TCACAGGTGACACCTTACGGACGTTTTCTTGTCTCGTTCTGGATCTTCAAACCTA
 ATGATCTCTGGCCACCATGGAAAATCTTTGCAAGCCACAAAAAGCCATGTAGACAAAG
 TGATAATGAAACTGGGAAAGACAAATGCTAAAGCAGTTTCTGAAATGAGACAGAAGATCT
 GGAATAATATGCCGAAGGATCATCCTCAGGATCATGAATTAATTGACCCATTTCCGGTAC
 CTCTGGTCATAATTGGAAGTAAATATGATGTTTTTCAGGATTTTGAGTCTGAGAAGAGAA
 AGGTAATATGCAAGACACTTCGATTTGTTGCACATTATTATGGAGCATCATTAAATGTTTA
 CCAGTAAATCAGAAGCTCTATTACTAAAAATACGTGGAGTTATCAACCAGTTGGCATTG
 GCATTGACAAAAGCAAATCAATATGTGTGGATCAGAATAAACCGCTGTTTATCACAGCAG
 GATTGGATTCTTCGGTCAAATAGGATCTCCTCCTGTTCTGAAAATGACATTGGAAAGC
 TTCATGCCCACTCACCTATGGAGTTGTGGAAAAAGTGTATGAAAAGCTTTTCCACCAA
 AGAGTATTAACACGCTGAAAGATATCAAGGACCCTGCGAGAGATCCTCAGTATGCTGAAA
 ATGAAGTCGATGAGATGAGAATTCAGAAGGATCTGGAACAGTACAAAAGAGTT
 CTCCAAGTCTTGAAACAAATCGAGCTTGATTCTTGAACCTATTCAATTATTGTATAT
 TTTTTCTTTTCCAAATACAATAAGATTATACTGTGAATTAACATTGTGGCAATA
 TGTGAAGAAAGTTAACTGTATAATTTGTTAAAGGACAAGCTGGATTTCTGGACTAGTG
 CATCTCCCTGTATATCTTGAAGCTTTTTAAAAGGAAAAATTTATTGTAGAACCACGTGTA
 TTTTTTTAAAATAAAGAATCTTCTACAAAAA

Restriction Sites: Please inquire



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ACCN:	NM_016008
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:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_016008.2 , NP_057092.2
RefSeq Size:	1404 bp
RefSeq ORF:	1056 bp
Locus ID:	51626
UniProt ID:	Q8TCX1
Cytogenetics:	2p21
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) encodes isoform 1.</p>