

Product datasheet for **SC108721**

Cytoplasmic dynein 1 light intermediate chain 1 (DYNC1LI1) (NM_016141) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cytoplasmic dynein 1 light intermediate chain 1 (DYNC1LI1) (NM_016141) Human Untagged Clone
Tag:	Tag Free
Symbol:	Cytoplasmic dynein 1 light intermediate chain 1
Synonyms:	DLC-A; DNCLI1; LIC1
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 SC108721 sequence for NM_016141 edited (data generated by NextGen Sequencing)

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ATGGCGGCCGTGGGGCGAGTCGGCTCCTTCGGTCTTCTCCGCCGGGATTATCCTCGACT
TACTGGCGGCCCTTTGGGCAACGAGATAGCGTCGGGCAACGGTGGCGCCGCGGCAGGC
GACGACGAGGACGGGACAGAACCTTTGGTCTGCATCCTCAGCGAGGTCTCCACCCGCTCG
CGCTCCAAGCTCCCTGCGGGGAAGAACGTGCTACTGCTGGTGAAGATGGAGCTGGAAAA
ACAAGCTTAATAAGAAAAATTCAGGGAATAGAGGAGTAAAGAAAGGAAGAGGATTGGAA
TATTTGTAATAATGTGCATGATGAAGACAGGGATGATCAAACAAGATGTAATGTTTGG
ATCTTAGATGGAGACCTATATCACAAGGCCTCCTTAAATTTTCACTGGATGCCGTATCT
CTGAAGGATACTCTAGTTATGCTGGTGTGACATGTCAAAGCCTTGGACTGCTTTGGAT
TCTTTACAGAAATGGCAAGTGTGTTAGAGAACATGTTGACAACTGAAAATCCCTCCT
GAAGAAATGAAACAAATGGAACAAAAGTTGATTAGAGACTTCCAAGAATATGTAGAGCCA
GGAGAAGACTCCCGCTTCTCCCAGAGAAGAAATACTGCGTCACAAGAAGACAAAGAT
GACAGTGTAGTTTACCTCTGGGTGCGGATACACTTACACATAACTTGGGCATTCCAGTA
CTAGTAGTTTGCACAAAGTGTGATGCCATTAGTGTATTGGAGAAAGAACATGACTACAGA
GATGAACATTTTGAATTTATTCAGTCACATATCCGGAAGTTTTGTTTACAGTATGGTGCA
GCATTTTACTTTCAGTAAAAGAAAACAAAATATAGACTTAGTATATAAATACATC
GTTCAGAACTATATGGATTTCCCTATAAGATTCTGCTGTTGTTGTGGAAAAGGATGCA
GTATTTATCCAGCAGGGTGGGATAATGATAAGAAAATAGGAATATTACATGAAAATTTT
CAAACATTAAGCAGAGATAATTTTGAAGACATCATAACTAAACCACCTGTTCCGAAAG
TTTGTACATGAGAAGGAAATTAAGCAGAGATGATCAGGTGTTTCTTATGAAGCTACAG
TCCCTTTTAGCAAAGCAACCACCAACTGCAGCTGGAAGGCCTGTGGATGCCTCACCAGA
TGCCACGAGGCTCCCCACGAACCAAAATAGATCTGTATCATCTAATGTTGCCAGCGTG
TACCCATTCTGCTGGGTCAAAAAAATTTGATCCAAACATGAAAGCTGGAGCTACAAGT
GAAGGCCTTCTGGCAAATTTCTCAACAGTTTGTGAGTAAAAAGACTGGCTCTCCAGGA
GGCCCTGGTGTGAGTGGTGGTAGCCCTGCAGGTGGGGCTGGAGGTGGAAGCAGTGGTTTA
CCACCATCCACAAAAGTCAAGCCAGAACCTGTCTTAGATGTTTATGCAGAACTAGAC
AGAATTACACGAAAACAGTTACAGTTTCTCCACAACACCTACATCTCTACGGAAGGA
GAAGCTTCTTGA
    
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Clone variation with respect to NM_016141.3

5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_016141 unedited
GTGGATTTGTATACGACTTCTATAGGCGGCCCGGAATCGGCACGAGGCCACCGCTCAG
CCGCTCGCACATTTAGTCTTGGCGGGAGTGGTGTGATCCCGACCAAGATGGCGGCCGT
GGGGCGAGTCCGCTCCTTCGGTCTTCTCCGCCGGGATTATCCTCGACTTACACTGGCGG
CCCCTTGGGCAACGAGATAGCGTCGGGCAACGGTGGCGCCGCGGCAGGCGACGACGAGGA
CGGGCAGAACCTTTGGTCTGCATCCTCAGCGAGGTCTCCACCCGCTCGCGCTCCAAGCT
CCCTGCGGGGAAGACGTGCTACTGCTGGTGAAGATGGAGCTGGAAAAACAAGCTTAAT
AAGAAAAATTCAGGGAATAGAGGAGTAAAGAAAGGAAGAGGATTGGAATATTTGTAAT
AAATGTGCATGATGAAGACAGGGATGATCAAACAAGATGTAATGTTTGGATCTTAGATGG
AGACCTATATCACAAGGCCTCCTTAAATTTTCACTGGATGCCGTATCTCTGAAGGATAC
TCTAGTTATGCTGGTGTGACATGTCAAAGCCTTGGACTGCTTTGGATTCTTTACAGAA
ATGGGCAAGTGTGTTAGAGAACATGTTGACAACTGAAAATCCCTCCTGAAGAAATGAA
ACACATGGAACAAAAGTTGATTAGAGACTTCCAAGATATGTAGAGCCAGGAGAAGACTT
CCCGCTTCTCCCANAGAAGAAATACCTGCGCCCAAGAAGACCAAGATGACCGGTAGCT
TTACCTCTGGGTGCGGATACCCTAACCCATAACTGGGCCCTCCAGTACTATTAGTTTGGC
CCAGTGTGATGCCCTTAGTGTATTTGGAGAAGCACCTGACTACCNAGATGAACATTTTGA
TTTTATTCAGCCCTATTCGGAGGTTTGGTTCTN
    
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RefSeq ORF: 1572 bp

Locus ID: 51143

UniProt ID: [Q9Y6G9](#)

Cytogenetics: 3p22.3

Gene Summary: The protein encoded by this gene belongs to light intermediate subunit family, whose members are components of the multiprotein cytoplasmic dynein complex, which is involved in intracellular trafficking and chromosome segregation during mitosis. The protein plays a role in moving the spindle assembly checkpoint (SAC) from kinetochores to spindle poles. The protein may also mediate binding to other cargo molecules to facilitate intracellular vesicle trafficking. [provided by RefSeq, Jul 2016]

Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).