

Product datasheet for **SC314316**

DYNC1I1 (NM_004411) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DYNC1I1 (NM_004411) Human Untagged Clone
Tag:	Tag Free
Symbol:	DYNC1I1
Synonyms:	DNCI1; DNCIC1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC314316 representing NM_004411.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGCTGACAAAAAGTGACTTAAAGCTGAGCTAGAGCGCAAAAAGCAGCGCTTAGCACAGATAAGAGAA
GAGAAGAAACGGAAGGAAGAGGAGAGAAAAAGAAAGAGGCTGATATGCAGCAGAAGAAAGAACCCGTT
CAGGACGACTCTGATCTGGATCGCAAACGACGAGAGACAGAGGCTTTGCTGCAAAGCATTGGTATCTCA
CCGGAGCCGCTCTAGTCAGCGCTGCATTTTTTAACATGGGATACCTGTTATTTTCATTATTTAGTC
CCAACCCCTATGTCTCCCTCCTCGAAATCAGTGAGCACTCCAGTGAAGCTGGAAGCCAAGACTCAGGC
GATCTGGGGCCATTAACAAGGACCTGCAGTGGGACACAGACCCCTCAGTGCTCCAGCTGCAGTCAGAC
TCAGAACTTGAAGAAGACTGCATAAATGGGCGTGTCAAAGGTCACCCAAGTGGATTTCTGCCAAGG
GAAGTAGTGTCTACTCAAAGGAGACCCAGACTCCTCTTGCCACGCATCAGTCTGAAGAGGATGAGGAA
GATGAGGAAATGGTGAATCTAAAGTTGGCCAGGACTCAGAACTGAAAAATCAGGACAAAAACAGGAA
GTGAAGGAAGCCCTCCAAGAGAGTTGACAGAGGAAGAAAAACAGCAGATCCTTCATTAGAGGAATTT
CTCATCTTTTTTACCGGACAATACGGGTAAATTGAAAGAGCCCTGGCTGAAGATTCGACATCTTTTTT
GACTACAGCGGCCGAGAGTTAGAGGAAAAAGATGGGGATGTTGAGGCTGGAGCCAATCTTTCTTTCAAT
CGTCAGTTCTATGATGAACATTGGTCCAAGCATCGAGTGGTCACTTGTATGGACTGGTCCCTCCAGTAC
CCTGAGCTGATGGTGGCTTCTTACAACAACAATGAAGATGCTCCCATGAACCAGATGGAGTGGCCTTG
GTTTGGAACATGAAGTTTAAGAAACCACACCAGAATACGTCCTTCCACTGTCAGTCTCTGTGATGTCG
GTCTGCTTCGCCCGTTTCCATCCTAACTTGGTGGTTGGTGGGACTTACTCGGGCCAGATTGCTCTG
GACAATCGCAGTCATCGAAGGACTCCAGTGCAGCGGACACCCTTATCAGCTGCTGCACACACGCATCCC
GTGTACTGTGTAATGTTGTTGGGACCCAGAATGCTCATAACCTCATCACTGTCTCCACTGATGGCAAA
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GAAGGTACAGTCTACACGGCTTGTGTCATGGAAGCAAAGCAGGTATTGGTGAGGTCTTTGAAGGTCAC
CAAGGGCCAGTGACAGGAATTAAGTCCACATGGCAGTGGGCCCAATCGACTTTTCTCACCTGTTTGTC
ACATCATCATTTGACTGGACTGTCAAATGTGGACCAACAGCACAACAAGCCGCTCTACTCCTTTGAA
GACAATGCAGACTATGTGTACGATGTATGTGGTCCCCCGTGCATCCTGCGCTTTTGCCTGCGTGGAC
GGGATGGGGCGCTTGACCTCTGGAACCTCAACAATGACACCGAGGTTCCAACAGCAAGTGTGGCCATT
GAGGGGGCATCCGCCCTAAACCGTGTTGTTGGGCCCAAGCTGGCAAAGAAGTTGCTGTTGGGGACTCG
GAAGGCCGTATTTGGGTCTATGACGTTGGAGAGCTTGACGTTCCCAACAATGATGAATGGACCCGATTT
GCCAGGACCCTTGTTGAAATTCGTGCTAACAGAGCTGATAGCGAGGAGGAAGGCACTGTTGAGTTATCT
GCCTAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: SgfI-MluI
ACCN: NM_004411
Insert Size: 1938 bp

OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery. The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
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:	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_004411.4
RefSeq Size:	3061 bp
RefSeq ORF:	1938 bp
Locus ID:	1780
UniProt ID:	O14576
Cytogenetics:	7q21.3
Domains:	WD40
MW:	73 kDa

Gene Summary:

Acts as one of several non-catalytic accessory components of the cytoplasmic dynein 1 complex that are thought to be involved in linking dynein to cargos and to adapter proteins that regulate dynein function. Cytoplasmic dynein 1 acts as a motor for the intracellular retrograde motility of vesicles and organelles along microtubules. The intermediate chains mediate the binding of dynein to dynactin via its 150 kDa component (p150-glued) DCNT1. May play a role in mediating the interaction of cytoplasmic dynein with membranous organelles and kinetochores.[UniProtKB/Swiss-Prot Function]

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