

Product datasheet for **RC238097**

DYNC1LI2 (NM_001286157) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: DYNC1LI2 (NM_001286157) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: DYNC1LI2
Synonyms: DNCL12; LIC2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC238097 representing NM_001286157
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCGCCGGTGGGGTGGAGAAGAAGCTGCTGCTAGGTCCCAACGGGCCCGGGTGGCGGCCGCCGGCG
ACCTGACCAGTGAGGAGGAGGAAGGCCAGAGCCTATGGTCCTCCATTCTGAGCGAAGTGCCACCCGCGC
CAGGTCCAAGCTGCCGTCGGCAAGAACATCCTGGTCTTCGGTGAAGATGTTCTGGTAAAAACAACCTC
ATGACTAAACTACAAGGAGCTGAGCATGGCAAAAAGGAAGAGGCTAGAATATCTACCTCAGTGTC
ATGATGAGGACCGAGATGTTGTGAAAGATTTTCAAGACTATATGGAACCTGAAGAAGTTGTCAAGTTC
CCCACAGAGAAGAGGCCCTCTGACCTCAGGCTCCGATGAAGAAAATGTTGCCCTGCCTCTGGGTGACAA
TGCTGACTCATAACCTGGGGATCCCGGTGTTGGTGGTGTGCACAAAGTGTGATGCGGTGAGTGTCTGG
AGAAGGAGCAGGATTACAGGGATGAGCATTGGACTTTATCCAGTCACACCTGCGGAGGTTCTGCCTTCA
GTATGGAGCTGCCTTGATTTACACATCAGTGAAGAAGAGAAAAACCTCGACTTGTGTATAAGTATATT
GTTCAAAAACATACGGTTTCCACTTCACCACACCTGCCTTAGTTGTGAAAAGGATGCCGTTTTTATAC
CTGCAGGCTGGGACAATGAAAAGAAAATAGCTATTTTACATGAAAATTTTACAACCGTGAAGCCGGAAGA
TGCATATGAAGACTTTATTGTGAAACCTCCCGTGAGAAAAGCTGGTCCACGACAAAAGATTGGCAGCAGAA
GATGAGCAGGTGTTCTAATGAAGCAACAGTCACTCCTTGCCAAGCAACAGCCACTCCCACGAGAGCTT
CTGAATCTCCTGCAAGAGGACCTCTGGCTCTCCAAGGACCCAGGGTCGGGGAGGGCCAGCCAGTGTGCC
TAGCTCTCCCAGGCACGTCAGTAAAAAGCCGACCCAAACATCAAAAATAATGCAGCAAGTGAAGGG
GTGTTGGCCAGCTTCTTCAACAGTCTGTTGAGTAAAAAGACAGGCTCTCCTGGAAGTCTGGTGTGGT
GGGTGCAGAGCACAGCCAAGAAGTCAGGACAAAAGACTGTGTTGTTCAAATGTTCCAGGAAGAACTGGATAG
AATGACTCGAAAGCCAGACTCTATGGTAACAAACTCTTCAACAGAAAATGAAGCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC238097 representing NM_001286157
 Red=Cloning site Green=Tags(s)

MAPVGVKKLLLPNGPAVAAAGDLTSEEEGQSLWSSILSEVSTRARSKLPSGKNILVFGEDGSGKTTL
 MTKLQGAEHGKKGRGLELYLSVHDEDRDVVKDFQDYMEPEEGCQGSPPRRGPTSGSDEENVALPLGDN
 VLTHNLGIPVLVVCTKCDAVSVLEKEHDYRDEHLDFIQSHLRRFCLQYGAALIYTSVKEEKNLDLLKYI
 VHKTGYGFHFTTPALVVEKDAVFIPAGWDNEKKIAILHENFTTVKPEDAYEDFIVKPPVRKLVHDKELAAE
 DEQVFLMKQQSLLAKQPATPTRAESPARGPSGSPRTQGRGGPASVPSSSPGTSVKKPPDPNIKNNAAASEG
 VLASFFNSLLSKKTGSPGSPGAGGVQSTAKKSGQKTVLSNVQEELDRMTRKPDMSMVTNSSTENEA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

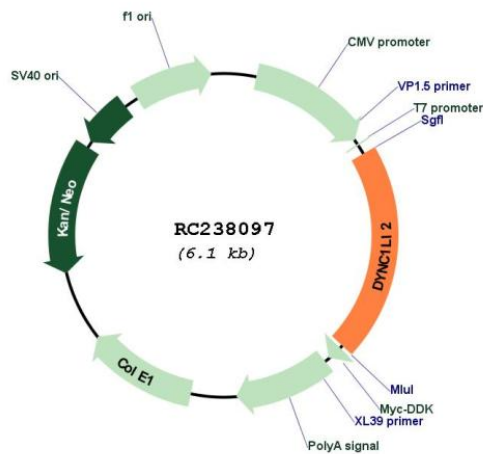
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001286157

ORF Size:	1245 bp
OTI Disclaimer:	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 clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_001286157.1 , NP_001273086.1
RefSeq Size:	4121 bp
RefSeq ORF:	1248 bp
Locus ID:	1783
UniProt ID:	O43237
Cytogenetics:	16q22.1
Protein Families:	Druggable Genome
MW:	45.5 kDa
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]