

Product datasheet for **RG206851**

DYNC1LI2 (NM_006141) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DYNC1LI2 (NM_006141) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	DYNC1LI2
Synonyms:	DNCLI2; LIC2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG206851 representing NM_006141
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCCCGGTGGGGGTGGAGAAGAAGCTGCTGCTAGGTCCCAACGGGCCCGCGGTGGCGGCCCGCGGC
 ACCTGACCAGTGAGGAGGAGGAAGGCCAGAGCCTATGGTCTCCATTCTGAGCGAAGTGCCACCCGCGC
 CAGGTCCAAGCTGCCGTCGGCAAGAACATCCTGGTCTTCGGTGAAGATGGTTCTGGTAAAAACAACCTC
 ATGACTAAACTACAAGGAGCTGAGCATGGCAAAAAAGGAAGAGGCCTAGAATATCTCTACCTCAGTGTC
 ATGATGAGGACCAGATGATCACACGCGCTGCAACGTGTGGATTCTGGATGGAGACTTGTACCACAAAGG
 CCTGCTGAAATTTGCAGTTTCTGCTGAATCCTTGCCAGAGACCCTCGTCATTTTTGTTGCAGACATGTCT
 AGACCTTGGACTGTGATGGAATCTCTGCAGAAATGGGCTAGTGTTTTACGTGAGCACATTGATAAAATGA
 AAATTCACCAGAAAAATGAGGGAGCTGGAACGGAAGTTTGTGAAAGATTTTCAAGACTATATGGAACC
 TGAAGAAGTTGTCAAGTTCCACAGAGAAGAGGCCCTCTGACCTCAGGCTCCGATGAAGAAAATGTT
 GCCTGCCTCTGGGTGACAATGTCTGACTCATACCTGGGGATCCCGGTGTTGGTGGTGTGCACAAAGT
 GTGATGCGGTGAGTGTCTGGAGAAGGAGCAGATTACAGGGATGAGCATTTGGACTTTATCCAGTCACA
 CCTGCGGAGGTTCTGCCTTCAGTATGGAGCTGCCTTGATTTACACATCAGTAAAAGAGAAAAACCTC
 GACTTGTGTATAAGTATATTGTTTATAAAACATACGTTTCCACTTCACCACACCTGCCTTAGTTGTGG
 AAAAGGATGCCGTTTTTATACCTGCAGGCTGGGACAATGAAAAGAAAATAGCTATTTTACATGAAAAAT
 TACAACCGTGAAGCCGGAAGATGCATATGAAGACTTTATTGTGAAACCTCCCGTGAGAAAGCTGGTCCAC
 GACAAAGAGTTGGCAGCAGAAGATGAGCAGGTGTTCTTAATGAAGCAACAGTCACTCCTTGCCAAGCAAC
 CAGCCACTCCCACGAGAGCTTCTGAATCTCTGCAAGAGGACCCCTCGGCTCTCCAAGGACCCAGGGTCG
 GGGAGGGCCAGCCAGTGTGCCTAGCTCCTCCCGAGGACAGTCAAGTAAAAAAGCCAGACCCAAACATCAAA
 AATAATGCAGCAAGTGAAGGGGTGTTGGCCAGTCTTCAACAGTCTGTTGAGTAAAAAGACAGGCTCTC
 CTGGAAGTCTGGTGTGGTGGGGTGCAGAGCACAGCCAAGAAGTCTCAGGACAAAAGACTGTGTTGTCAAA
 TGTTTCAGGAAGAACTGGATAGAATGACTCGAAAGCCAGACTCTATGGTAACAACTCTTCAACAGAAAAT
 GAAGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG206851 representing NM_006141
 Red=Cloning site Green=Tags(s)

MAPVGVEKLLLLGPNPVAAGDLTSEEEGQSLWSSILSEVSTRARSKLPSGKNILVFGEDGSGKTTL
 MTKLQGAEHGKKGRGLELYLSVHDEDRDDHTRCNVWILDGDLYHKGLLKFAVSAESLPETLVIFVADMS
 RPWTVMESLQKVASVLEHIDKMKIPPEKMRLEKRFVKDFQDYMEPEEGCQSPQRRGPLTSGSDEENV
 ALPLGDNVLTNHLGIPVLVCTKDAVSVLEKEHDYRDEHLDLFIQSHLRRFCLQYGAALIYTSVKEEKNL
 DLLYKYIVHKTYGFHFTTPALVVEKDAVFIKAGWDNEKKIAILHENFTTVKPEDAYEDFIVKPPVRKLVH
 DKELAAEDEQVFLMKQQSLLAKQPATPTRAESPARGSPGSPRTQGRGGPASVPSSSPGTSVKKPDPNIK
 NNAASEGVLASFFNSLLSKKTGSPGSPGAGGVQSTAKNSGQKTVLSNVQEELDRMTRKPDMSMTNSSTEN
 EA

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_006141

ORF Size: 1476 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:

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_006141.2](#), [NP_006132.1](#)

RefSeq Size: 4352 bp

RefSeq ORF: 1479 bp

Locus ID: 1783

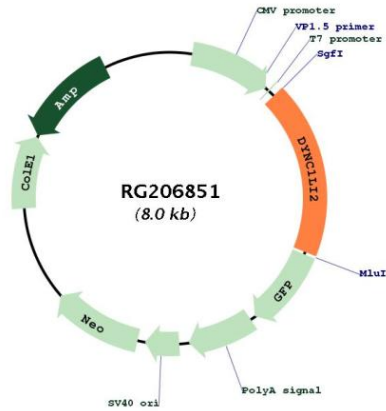
UniProt ID: [O43237](#)

Cytogenetics: 16q22.1

Protein Families: Druggable Genome

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]

Product images:



Circular map for RG206851