

Product datasheet for **MR205343**

Dync2li1 (BC030450) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dync2li1 (BC030450) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dync2li1
Synonyms:	mD2LIC, LIC3, CGI-60, MGC40646, MGC7211
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205343 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCCAGTGAACTCTCTGGGAAATCGCAAAGCTGAGGTAGAGAAACGGAGAAGTCATGGGAGCGAAG
GGGACGGAGCTGAAATCGGAGAAAAATCTGTTTTCTTCATTGGCAGTAAAAACGGGGGAAAGACAACCAT
TATCCTAAGGTGTCTTGACAGGGATGAGTCAGCAAAGCCGACCTTAGCGTTGGAGTACACGTACGGAAGG
AAGACCAAGGGGCACAACACGCCAAAAGACATTGCTCACTTTGGGAACTGGGTGGAGGAACCTCCTTGC
TGGACTTAATCAGCATACCAATCACAGTCGACACCTTAAGGACATTTTCTATTGTTCTTGTTTTGGATCT
TTCCAAAACCTAATGATCTTTGGTCAACCATGGAAAATCTGTTGCAAGCCACAAAAAGCCATGTAGACAAG
GTGATAATGAAGCTGGGCAAGACAAGCTCCAAGGCTTCGGCCGAGATGCGGCAACGAATGTGGAGCGTGG
TGCAGAAGGACCATCCGGACCGGAATTAATTGACCCATTTCCAATACCTCTGGTCATTATTGGAAGTAA
ATATGATATTTCCAGGATTTTGATCCTGAGAAGAGAAAGGTGATATGTAAGACCCTGCGCTTTGTGGCA
CATTACTACGGAGCCTCGCTGATGTTTACCAGCAAAGTCAGAAGCTCTGTTACTGAAGATACGCGGTGTTA
TCAACCAGTTGGCATTCCGTATTGATAAAAGCAAATCAATATGTGTGGATCAAAAATAGCCACTGTTTAT
CACAGCAGGACTGGATTCTTTATGTCAGATAGGGTCTCCTCCTGTTCTGACAGTGACATTGGAAAACCT
CAGGCCACTCACCTATGGAGCTGTGGAAAAGGTGATGACAAGCTCTCCACCAAGAGTACCGGCA
CCCTGAAGGCGGTCCAGGACCCAGCCCGAGACCCGAGTATGCAGAAAGCGAAGTCGATGAGATGAGGGT
TCAGAAGGACCAGGAACTAGAACACTACAAGAGAAGCTCCTCTAAGACCTGGAAGCAAATCGAGCTGGAC
TCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTAA



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Protein Sequence: >MR205343 protein sequence
 Red=Cloning site Green=Tags(s)

MPSETLWEIAKAEVEKRRSHGSEGDGAEIGEKS VFFIGSKNGGKTTIILRCLDRDESAKPTLALEYTYGR
 KTKGHNTPKDIAHFWELGGTSLLDLISIPITVDTLRTFSIVLVLDLSKPNDLWSTMENLLQATKSHVDK
 VIMKLGKTSKASAE MRQRMWSVYQKDHPDRELIDFPPIPLVIIGSKYDIFQDFPEKRKVIC KTLRFVA
 HYYGASLMFTSKSEALLLKIRGVINQLAFGIDKSKSICVDQNKPLFITAGLDSLQIGSPPVPDSDIGKL
 QAHSPMELWKKVYDKLFPKSTGTLKAVQDPARDPQYAESEVDEMVRVQKQDELEHYKRSSSKTKWQIELD
 S

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: BC030450

ORF Size: 1053 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: [BC030450](#), [AAH30450](#)

RefSeq Size: 1370 bp

RefSeq ORF: 1055 bp

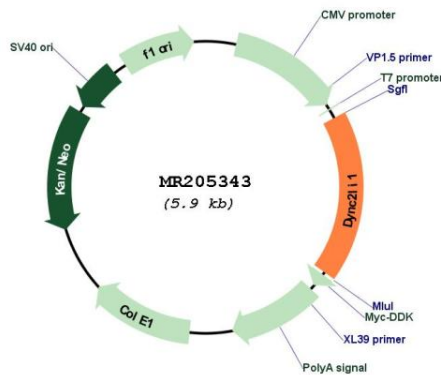
Locus ID: 213575

Cytogenetics: 17 E4

MW: 39.5 kDa

Gene Summary: Required for correct intraflagellar transport (IFT), the bi-directional movement of particles required for the assembly, maintenance and functioning of primary cilia (PubMed:15371312). Involved in the regulation of ciliary length (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR205343