

Product datasheet for **MG224883**

Dync2li1 (NM_172256) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dync2li1 (NM_172256) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Dync2li1
Synonyms:	4933404O11Rik; CGI-60; D2lic; LIC3; mD2LIC
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG224883 representing NM_172256 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCAGTGAACTCTCTGGGAAATCGCAAAGCTGAGGTAGAGAAACGGAGAAGTCATGGGAGCGAAG
GGGACGGAGCTGAAATCGGAGAAAAATCTGTTTTCTTCATTGGCAGTAAAAACGGGGAAAGACAACCAT
TATCCTAAGGTGTCTTGACAGGGATGAGTCAGCAAAGCCGACCTTAGCGTTGGAGTACACGTACGGAAGG
AAGACCAAGGGGCACAACACGCCAAAAGACATTGCTCACTTTGGGAACTGGGTGGAGAACCTCCTTGC
TGGACTTAATCAGCATACCAATCACAGTCGACACCTTAAGGACATTTTCTATTGTTCTTGTTTGGATCT
TTCCAAACCTAATGATCTTTGGTCAACCATGGAAAATCTGTTGCAAGCCACAAAAAGCCATGTAGACAAG
GTGATAATGAAGCTGGGCAAGACAAGCTCCAAGGCTTCGGCCGAGATGCGCAACGAATGTGGAGCGTGG
TGCAGAAGGACCATCCGGACCGGAATTAATTGACCCATTTCCAATACCTCTGGTCATTATTGGAAGTAA
ATATGATATTTCCAGGATTTTGATCCTGAGAAGAGAAAGGTGATATGTAAGACCCTGCGCTTTGTGGCA
CATTACTACGGAGCCTCGCTGATGTTTACCAGCAAGTCAGAAGCTCTGTTACTGAAGTACGCGGTGTTA
TCAACCAGTTGGCATTCCGTATTGATAAAAGCAAATCAATATGTGTGGATCAAAAATAGCCACTGTTTAT
CACAGCAGGACTGGATTCTTTATGTCAGATAGGGTCTCCTCCTGTTCCTGACAGTGACATTGGAAAAT
CAGGCCACTCACCTATGGAGCTGTGGAAAAGGTGATGACAAGCTCTCCACCAAGAGTACCGGCA
CCCTGAAGGCGGTCCAGGACCCAGCCCGAGACCCGAGTATGCAGAAAGCGAAGTCGATGAGATGAGGGT
TCAGAAGGACCAGGAACTAGAACACTACAAGAGAAGCTCCTTAAGACCTGGAAGCAAATCGAGCTGGAC
TCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >MG224883 representing NM_172256
 Red=Cloning site Green=Tags(s)

MPSETLWEIAKAEVEKRRSHGSEGDGAEIGEKSVEFFIGSKNGGKTTIILRCLDRDESAKPTLALEYTYGR
 KTKGHNTPKDIAHFWE LGGTSLLDLISIPITVDTLRTFSIVLVLDLSKPNDLWSTMENLLQATKSHVDK
 VIMKLGKTSKASAEMRQRMWSVQKDHDPRELIDFPPIPLVIIGSKYDIFQDFDPEKRKVICKTLRFVA
 HYYGASLMFTSKSEALLLKIRGVINQLAFGIDKSKSICVDQNKPLFITAGLDSLQIGSPVPDSDIGKL
 QAHSPMELWKKVYDKLFPPKSTGTLKAVQDPARDPQYAESEVDEMVRVQKQLEHYKRSSSKTWKQIELD
 S

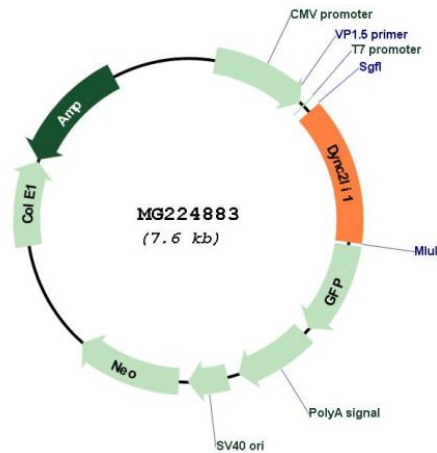
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_172256

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:	<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_172256.2
RefSeq Size:	1378 bp
RefSeq ORF:	1056 bp
Locus ID:	213575
UniProt ID:	Q8K0T2
Cytogenetics:	17 E4
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]