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Product datasheet for MR224883

Dync2li1 (NM_172256) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dync2li1 (NM_172256) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dync2li1
Synonyms:	4933404O11Rik; CGI-60; D2lic; LIC3; mD2LIC
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>MR224883 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCCCAGTGAAACTCTCTGGGAAATCGCAAAAGCTGAGGTAGAGAAACGGAGAAGTCATGGGAGCGAAG
GGGACGGAGCTGAAATCGGAGAAAAATCTGTTTTCTTCATTGGCAGTAAAAACGGGGGAAAGACAACCAT
TATCCTAAGGTGTCTTGACAGGGATGAGTCAGCAAAGCCGACCTTAGCGTTGGAGTACACGTACGGAAGG
AAGACCAAGGGGCACAACACGCCAAAAGACATTGCTCACTTTTGGGAACTGGGTGGAGGAACCTCCTTGC
TGGACTTAATCAGCATACCAATCACAGTCGACACCTTAAGGACATTTTCTATTGTTCTTGTTTTGGATCT
TTCCAAACCTAATGATCTTTGGTCAACCATGGAAAATCTGTTGCAAGCCACAAAAAGCCATGTAGACAAG
GTGATAATGAAGCTGGGCAAGACAAGCTCCAAGGCTTCGGCCGAGATGCGGCAACGAATGTGGAGCGTGG
TGCAGAAGGACCATCCGGACCGGGAATTAATTGACCCATTTCCAATACCTCTGGTCATTATTGGAAGTAA
ATATGATATTTTCCAGGATTTTGATCCTGAGAAGAGAAAGGTGATATGTAAGACCCTGCGCTTTGTGGCA
CATTACTACGGAGCCTCGCTGATGTTTACCAGCAAGTCAGAAGCTCTGTTACTGAAGATACGCGGTGTTA
TCAACCAGTTGGCATTCGGTATTGATAAAAGCAAATCAATATGTGTGGATCAAAATAAGCCACTGTTTAT
CACAGCAGGACTGGATTCTTTATGTCAGATAGGGTCTCCTCCTGTTCCTGACAGTGACATTGGAAAACTT
CAGGCCCACTCACCTATGGAGCTGTGGAAAAAGGTGTATGACAAGCTCTTCCCACCAAAGAGTACCGGCA
CCCTGAAGGCGGTCCAGGACCCAGCCCGAGACCCGCAGTATGCAGAAAGCGAAGTCGATGAGATGAGGGT
TCAGAAGGACCAGGAACTAGAACACTACAAGAGAAGCTCCTCTAAGACCTGGAAGCAAATCGAGCTGGAC
TCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

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Protein Sequence:

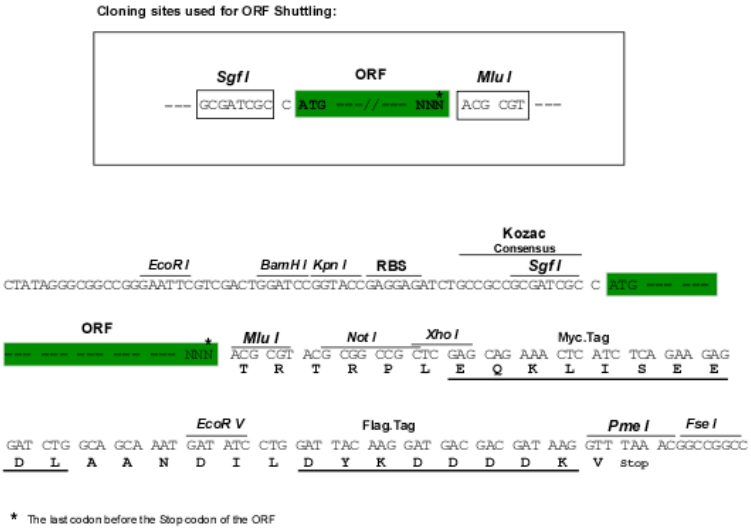
>MR224883 protein sequence
Red=Cloning site Green=Tags(s)

MPSETLWEIAKAEVEKRRSHGSEGDGAEIGEKSVFFIGSKNGGKTTIILRCLDRDESAKPTLALEYTYGR
KTKGHNTPKDIAHFWELGGGTSLLDLISIPITVDTLRTFSIVLVLDLSKPNDLWSTMENLLQATKSHVDK
VIMKLGKTSSKASAEMRQRMWSVVQKDHPDRELIDPFPIPLVIIGSKYDIFQDFDPEKRKVICKTLRFVA
HYYGASLMFTSKSEALLLKIRGVINQLAFGIDKSKSICVDQNKPLFITAGLDSLCQIGSPPVPDSDIGKL
QAHSPMELWKKVYDKLFPPKSTGTLKAVQDPARDPQYAESEVDEMRVQKDQELEHYKRSSSKTWKQIELD
S

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_172256

ORF Size: 1056 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_172256.2

RefSeq Size: 1378 bp

RefSeq ORF: 1056 bp

Locus ID: 213575

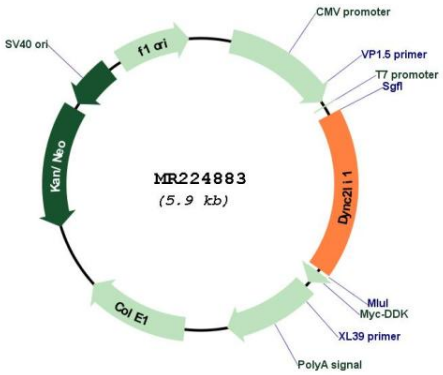
UniProt ID: Q8K0T2

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 MR224883