

Product datasheet for **RR202171**

Dync2li1 (NM_001013940) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dync2li1 (NM_001013940) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dync2li1
Synonyms:	RGD1310286
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR202171 representing NM_001013940 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCCAGTGAACTCTCTGGAAATCGCGAAGGCCGAGGTAGAGAAACGGAGATGCCATGGAAGTGACG
GGGATGGAATGGAGATCGGAGAAAAATCTGTTTTCTTCATTGGCAGTAAAAATGGGGAAAGACTACGAT
TATTCTACGGTGTCTTGACAGGGATGAGCCGGCAAAGCCGACCTTAGCTCTGGAATACACGTACGGAAGG
AAAACCAAGGGGATAACACACCAAAGACATTGCTCACTTTTGGGAGCTGGGTGGAGGAACCTCGTTAC
TGGACTTAATCAGCATCCCAATTACAGTCGACACCTTAAGGACGTTTTCTATTGTTCTTGTGGATCT
TTCCAAACCTAATGATCTTTGGCCACCATGGAATCTGTTGCAAGCCACAAAAAGCCAGTAGACAAG
GTGACAAATGAAGCTGGGCAAGGCCAACTCGAAGGCCTCGTCTGAGATGAGGCAGAGGATGTGGAGCGTCA
TGCAGAAGGACCATCCGGATCGTGAATTAATTGACCCATTTCCAATACCTCTGGTCATTATTGGAAGTAA
ATATGACATTTCCAGGATTTTGACCCTGAGAAGAGAAAGGTGATCTGTAAGACCCTGCGCTTTGTGGCG
CATTACTACGGAGCCTCGCTGATGTTTACCAGCAAATCAGAAGCTCTGCTACTGAAGATGCGCGGTGTCA
TCAACCAGTTGGCATTGGTATTGATAAGAGGATTGGTACATATTTCCAATCAGTTCACCCGTTCCCG
GGTGTCTTGTCTCCGCCACCCTTCCCTGCTTGTGATTTTCCCTCTATTAATTTTAGCACGTGTCTT
TTCTGGCTTTGTCTGCTGCTGGTTGAGCTGGCTGTGGTGTGCTGTGTCACAACCAAGTGTATTGGCC
ATTTGGTCATTGCTTTTATCCGATTTGGGTCATTGCTTTTATCCG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR202171 representing NM_001013940
 Red=Cloning site Green=Tags(s)

MPSETLWEIAKAEVEKRRCHGSDGDGMEIGEKSVFFIGSKNGGKTTIILRCLDRDEPAKPTLALEYTYGR
 KTKGHNTPKDIAHFWE LGGTSLLDLISIPITVDTLRTFSIVLVLDLSKPNDLWPTMENLLQATKSHVDK
 VTMKLGKANSKASSEMQRMSVMQKDHDPRELIDPFPIPLVIIGSKYDIFQDFDPEKRKVIKCTLRFVA
 HYYGASLMFTSKSEALLKMRGVINQLAFGIDKRYWYIFSNQFPRSRVSLPPPLSSACDFPLLIFSTCL
 FWLCPARGLSWLWCCLSQPVLLAHLGHCFYPIWVIAFI

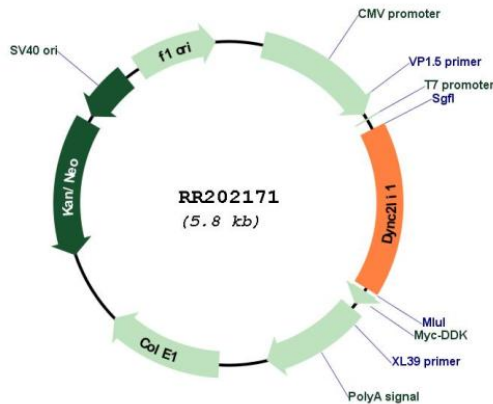
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001013940

ORF Size: 933 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 Size:	1689 bp
RefSeq ORF:	936 bp
Locus ID:	298767
UniProt ID:	Q6AY43
Cytogenetics:	6q12
MW:	35.3 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. Involved in the regulation of ciliary length.[UniProtKB/Swiss-Prot Function]