

## Product datasheet for **RR206341**

### **Dync1i2 (NM\_053880) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Dync1i2 (NM_053880) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dync1i2
Synonyms:	Dnci2; Dncic2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide  
Sequence:

>RR206341 representing NM\_053880  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTCAGACAAAAGTGAATTAAGCTGAGTTGGAACGTAGAAGCAACGTTGGCCAAATCAGAGAAG  
 AAAAGAAGAGGAAAGAAGAGGAAAGGAAAAAAGAACTGATCAGAAGAAGGAAGCTGCAGTCTCTGT  
 GCAGGAAGAGTCTGACCTTGAAAAGAAGAGAAGAGCCGAAGCCTTGCTTCAGAGCATGGGGCTAACT  
 ACAGACTCCCAATTGTTTTCTGAGCACTGGGTCCCTCCTCCCATGTCTCCATCCTCCAAGTCGGTGA  
 GCACGCCAAGTGAAGCTGGAAGCCAGGACTCTGGAGATGGCGCCGTGGGATCTAGGACGCTGCACCTGGGA  
 TACAGATCCATCAGCTCTCAGCTCCACTCAGATTCGATTTGGGACGAGGACCTATTAAGCTTGGAAATG  
 GCCAAAATTACTCAAGTCGACTTCCCCCTCGAGAAATCGTCACATATACAAAGGAACTCAGACCCCGG  
 TTACAGCTCAACCCAAAGAAGATGAGGAGGAGGAAGATGACGTAGCAGCTCCTAAGCCTCCTGTTGAACC  
 TGAAGAAGAGAAAATTTAAAAAAGACGAAGAGAATGATAGCAAAGCTCCCCCTCATGAACTAACTGAA  
 GAAGAAAAGCAACAAATTTTACACTCAGAAGAATTTTAAAGTTTCTTTGACCATTCTACAAGAATTGTAG  
 AAAGAGCCCTCTCTGAGCAGATTAACATCTTCTTGGACTACAGTGGGAGAGATTTGGAAGACAAAGAAGG  
 GGAGATTAAGCAGGTGCTAAGCTGTCATTAATCGACAGTTTTTTGTAGAGCGTTGGTCAAAGCATCGA  
 GTTGTTAGTTGCTTGGATTGGTCATCCCAGTATCCAGAATTACTTGTGGCTTCTATAATAACAATGAAG  
 AGGCTCCTCATGAGCCTGATGGTGTGGCCCTCGTATGGAATATGAAGTACAAGAAAACACCCAGAGTA  
 CGTGTCCACTGCCAGTCAGCTGTAATGTCTGCTACATTTGCAAAATTCATCCAATCTTGTGTTGGA  
 GGTACATACTCAGGCCAAATTTGCTTTGGGATAACCGTAGCAATAAAGAACCCCGTCCAGAGAACAC  
 CACTGTCAGCTGCTGCACACACACACCCTGTCTACTGTGTAATGTTGTTGGAACACAAAATGCTCATAA  
 TCTGATTAGCATCTCTACTGATGAAAAATTTGCTCCTGGAGCTTAGACATGCTTTCCCATCCACAGGAT  
 AGCATGGAGTTGGTTCATAAACAGTCAAAGGCAGTAGCTGTAACATCTATGTCTTCCCTGTTGGAGACG  
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 AGCCCTGTTTGCCTGTGTGGATGGCATGGGGAGACTGGATCTATGGAATCTCAACAATGACACAGAGGTG  
 CCGACTGCCAGCATTTCTGTGGAGGGCAACCCTGCCCTTAACCGTGTGAGATGGACCCACTCGGGAAGAG  
 AGATCGCCGTGGGTGATTCTGAAGGACAGATTGTCATATATGATGTGGCGGAGCAGATCGCTGTTCCCGG  
 AAATGATGAATGGCAAGATTTGGCCGAACACTCGCAGAGATTAACGCAAGCCGAGCTGATGCAGAGGAG  
 GAAGCGGCTACCCGGATTCCTGCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR206341 representing NM\_053880  
 Red=Cloning site Green=Tags(s)

MSDKSELKAELEKQRLAQIREEKRRKEEERKKKETDQKKEAAVSVQEEEDLEKKRREAEALLQSMGLT  
 TDSPIVFSEHWPPPMSPSSKSVSTPSEAGSQDSGDGAVGSRTLHWDTDPALQLHSDSDLGRGP I K L G M  
 AKITQVDFPPREIVTYTKETQTPVTAQPKEDDEEEDDVAAPKPPVEPEEEKILKKDEENDSKAPPHELTE  
 EEKQQILHSEEFLSFFDHSTRIVERALSEQINIFFDYSGRDLEDKEGEIQAGAKLSLNRQFFDERWSKHR  
 VVSCLDWSSQYPELLVASYNNEEAPHEPDGVALVWNMKYKKTTPPEYVFHCQSAVMSATFAKHPNLVVG  
 GTYSGQIVLWDRNSNKRTPVQRTPLSAAATHPVYCVNVVGTQNAHNLISISTDGKICSWSLDMLSHPQD  
 SMELVHKQSKAVAVTSMSPVGDVNNFVVGSEEGSVYACRHSKAGISEMFEHGHPITGIHCHAAVGA  
 VDFSHLFVTSSFDTVKLWTTKNNKPLYSFEDNSDYVDVMWSPHPALFACVDGMGRDLWNLNNDTEV  
 PTASISVEGNPALNRVRWTHSGREIAGVDSGQIVIVDVGQIAVPRNDEWARFGRTLAEINASRADEE  
 EAATRIPA

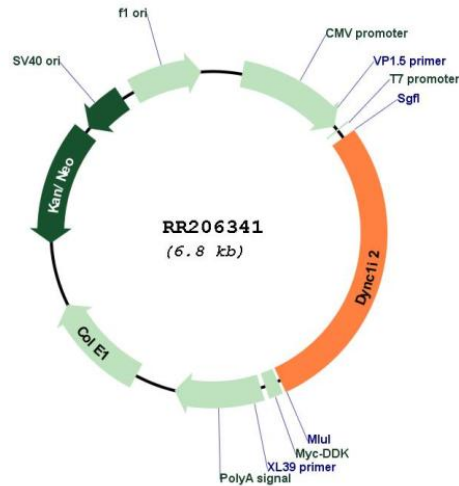
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



**Plasmid Map:**


**ACCN:** NM\_053880

**ORF Size:** 1914 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\\_053880.2](#), [NP\\_446332.2](#)

RefSeq Size:	2821 bp
RefSeq ORF:	1917 bp
Locus ID:	116659
Cytogenetics:	3q22
MW:	71.3 kDa
Gene Summary:	intermediate chain of cytoplasmic dynein, a retrograde microtubule motor thought to be involved in organelle transport [RGD, Feb 2006]