

Product datasheet for **RN206341**

Dync1i2 (NM_053880) Rat Untagged Clone

Product data:

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



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Fully Sequenced ORF: >RN206341 representing NM_053880
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCAGACAAAAGTGAATTAAGCTGAGTTGGAACGTAGAAGCAACGTTGGCCAAATCAGAGAAG
 AAAAGAAGAGGAAAGAAGAGGAAAGGAAAAAAGAACTGATCAGAAGAAGGAAGCTGCAGTCTCTGT
 GCAGGAAGAGTCTGACCTTGAAAAGAAGAGAAGAGCCGAAGCCTTGCTTCAGAGCATGGGGCTAACT
 ACAGACTCCCAATTGTTTTCTGAGCACTGGGTCCCTCCTCCCATGTCTCCATCCTCCAAGTCGGTGA
 GCACGCCAAGTGAAGCTGGAAGCCAGGACTCTGGAGATGGCGCGTGGGATCTAGGACGCTGCACCTGGGA
 TACAGATCCATCAGCTCTCAGCTCCACTCAGATTCGATTTGGGACGAGGACCTATTAAGCTTGGAAATG
 GCCAAAATTACTCAAGTCGACTTCCCCCTCGAGAAATCGTCACATATACAAAGGAACTCAGACCCCGG
 TTACAGCTCAACCAAAGAAGATGAGGAGGAGGAAGATGACGTAGCAGCTCCTAAGCCTCCTGTTGAACC
 TGAAGAAGAGAAAATTTAAAAAAGACGAAGAGAATGATAGCAAAGCTCCCCCTCATGAACTAACTGAA
 GAAGAAAAGCAACAAATTTTACACTCAGAAGAATTTTAAAGTTTCTTTGACCATTCTACAAGAATTGTAG
 AAAGAGCCCTCTCTGAGCAGATTAACATCTTCTTGGACTACAGTGGGAGAGATTTGGAAGACAAAGAAGG
 GGAGATTAAGCAGGTGCTAAGCTGTCATTAATCGACAGTTTTTTGTAGAGCGTTGGTCAAAGCATCGA
 GTTGTAGTTGCTGGATTGGTCATCCCAGTATCCAGAATTACTTGTGGCTTCTATAATAACAATGAAG
 AGGCTCCTCATGAGCCTGATGGTGTGGCCCTCGTATGGAATATGAAGTACAAGAAAACACCCAGAGTA
 CGTGTCCACTGCCAGTCAGCTGTAATGTCTGCTACATTTGCAAAATTCATCCAATCTTGTGTTGGA
 GGTACATACTCAGGCCAAATTGTGCTTTGGGATAACCGTAGCAATAAAGAACCCTCCAGAGAACAC
 CACTGTGCTGCTGCACACACACACCCTGTCTACTGTGTAATGTTGTTGGAACACAAAATGCTCATAA
 TCTGATTAGCATCTACTGATGAAAAATTTGCTCCTGGAGCTTAGACATGCTTTCCCATCCACAGGAT
 AGCATGGAGTTGGTTCATAAACAGTCAAAGGCAGTAGCTGTAACATCTATGTCTTTCCCTGTTGGAGACG
 TCAACAACTTTGTGTTGGGCAGTGAAGAAGTTCTGTGTATACAGCATGCCGCCATGGCAGCAAAGCCGG
 AATCAGTGAGATGTTGAGGGACACCAGGGACCCATCACGGGAATCCACTGTCACGCAGCTGTTGGCGCA
 GTAGACTTCTCACATCTGTTGCTCACTTCGTCTTTGACTGGACAGTAAAACCTTTGGACAATAAGAATA
 ACAAGCCTTTGACTCATTTGAAGATAATTCAGACTATGTCTATGATGTTATGTGGTCACCCACCCACCC
 AGCCCTGTTTGCCTGTGGATGGCATGGGAGACTGGATCTATGGAATCTCAACATGACACAGAGGTG
 CCGACTGCCAGCATTTCTGTGGAGGGCAACCCTGCCCTTAACCGTGTGAGATGGACCCACTCGGGAAGAG
 AGATCGCCGTGGGTGATTCTGAAGGACAGATTGTCATATATGATGTGGGCGAGCAGATCGCTGTTCCCGG
 AAATGATGAATGGCAAGATTTGGCCGAACACTCGCAGAGATTAACGCAAGCCGAGCTGATGCAGAGGAG
 GAAGCGGCTACCCGATTCTGC**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_053880
- Insert Size:** 1917 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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

Gene Summary: intermediate chain of cytoplasmic dynein, a retrograde microtubule motor thought to be involved in organelle transport [RGD, Feb 2006]
Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).