

Product datasheet for **RN217023**

Dync1i2 (NM_001270624) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dync1i2 (NM_001270624) 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: >RN217023 representing NM_001270624
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCAGACAAAAGTGAATTAAGCTGAGTTGGAACGTAAAGCAACGTTGGCCAAATCAGAGAAG
 AAAAGAAGAGGAAAGAAGAGGAAAGGAAAAAAGAACTGATCAGAAGAAGGAAGCTGCAGTCTCTGT
 GCAGGAAGAGTCTGACCTTGAAAAGAAGAGAAGAGCCGAAGCCTTGCTTCAGAGCATGGGGCTAACT
 ACAGACTCCCAATTGTCCCTCCTCCCATGTCTCCATCCTCCAAGTCGGTGAGCACGCCAAGTGAAGCTG
 GAAGCCAGGACTCTGGAGATGGCGCCGTGGGATCTAGGACGCTGCACTGGGATACAGATCCATCAGCTCT
 TCAGCTCCACTCAGATCCGATTTGGGACGAGGACCTATTAACCTTGAATGGCCAAATTAAGTCAAGTC
 GACTTTCCCTCGAGAAATCGTCACATATACAAAGGAACTCAGACCCCGTTACAGCTCAACCCAAAG
 AAGATGAGGAGGAGGAAGATGACGTAGCAGCTCCTAAGCCTCCTGTTGACCTGAAGAAGAGAAAAATTT
 AAAAAAGACGAAGAATGATAGCAAAGCTCCCCTCATGAACTAACTGAAGAAGAAAAGCAACAATTT
 TTACACTCAGAAGATTTTAAAGTTCTTTGACCATTCTACAAGAATTGTAGAAAGAGCCCTCTCTGAGC
 AGATTAACATCTTCTTTGACTACAGTGGGAGAGATTTGGAAGACAAGAAGGGGAGATTCAAGCAGGTGC
 TAAGCTGTCAATTAATCGACAGTTTTTTGATGAGCGTTGGTCAAAGCATCGAGTTGTTAGTTGCTTGGAT
 TGGTCAATCCAGTATCCAGAATTAAGTGTGGCTTCTATAATAACAATGAAGAGGCTCCTCATGAGCCTG
 ATGGTGTGGCCCTCGTATGGAATATGAAGTACAAGAACTACCCAGAGTACGTGTTCCACTGCCAGTC
 AGCTGTAATGTCTGTACATTTGCAAAATTTTATCCAAATCTTGTGTTGGAGGTACATACTCAGGCCAA
 ATTTGTCTTTGGGATAACCGTAGCAATAAAGAACCCTCCAGAGAACCACTGTGAGTGTGCAC
 ACACACCCCTGTCTACTGTGTAATGTTGTTGGAACACAAAATGCTCATAATCTGATTAGCATCTCTAC
 TGATGGAAAAATTTGCTCCTGGAGCTTAGACATGCTTTCCATCCACAGGATAGCATGGAGTTGGTTCAT
 AAACAGTCAAAGGCAGTACTGTAACTATGTCTTTCCCTGTTGGAGAGCTCAACAACCTTTGTTGTGG
 GCAGTGAAGAAGTTCTGTGTATACAGCATGCCGCCATGGCAGCAAAGCCGGAATCAGTGAGATGTTTGA
 GGGACACCAGGGACCCATCACGGGAATCCACTGTCACGCAGTGTGGCGCAGTAGACTTCTCACATCTG
 TTCGCTCACTTCGCTTTTACTGGACAGTAAACTTTGGACAATAAGAATAACAAGCCTTTGTACTCAT
 TTGAAGATAATTCAGACTATGTCTATGATGTTATGTGGTCACCCACCCACCCAGCCCTGTTGCCTGTGT
 GGATGGCATGGGAGACTGGATCTATGGAATCTCAACAATGACACAGAGGTGCCGACTGCCAGCATTCT
 GTGGAGGGCAACCCTGCCCTAACCGTGTGAGATGGACCCACTCGGAAGAGAGATCGCCGTGGGTGATT
 CTGAAGGACAGATTGTCATATATGATGTGGCGCAGCAGATCGCTGTTCCCGAAATGATGAATGGGCAAG
 ATTTGGCCGAACACTCGCAGAGATTAACGCAAGCCGAGCTGATGCAGAGGAGGAAGCGGCTACCCGATT
 CCTGCCTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001270624

Insert Size: 1899 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).

OTI Annotation: Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

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:	<u>NM_001270624.1, NP_001257553.1</u>
RefSeq Size:	2803 bp
RefSeq ORF:	1899 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 (2) lacks an alternate in-frame exon compared to variant 1. The resulting isoform (2) has the same N- and C-termini but is shorter compared to isoform 1.