

## Product datasheet for **RN210449**

### **Dnai2 (NM\_001007726) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Dnai2 (NM_001007726) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Dnai2
Synonyms:	Dnaic2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN210449 representing NM\_001007726  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAGATCGTCTACGTGTACGTGAAGAAGCGCAGTGAGTTTGGGAAGCAATGCAACTTCTCTGACCGCC  
 AGGCTGAGCTGAACATTGACATCTCACCAACCCTGAGCTGGCCGCACTGTATGTGGAGCGGAACCCAGT  
 GGACACAGGCATCCAGTCTCCGCCAGTATGTCGGAACATGAGGCCAACACAGAGCGTTTGAGATGGAG  
 AACTGTGGGGTTAACCACGTGAGGGGGCTGGCCCAAGGATGTGAACCCCAAGGAGCTGGAGCAGACCA  
 TCCGCTCCGGAAGAAAGTGGAGAAGGATGAGAATTACATCAACGCCGTCATGCAGCTGGGCTCGATCAT  
 GGAGCACTGCATCAAGCAGAACAATGCCATCGACATCTACGAGGAATATTTTGTGACGAGGAGGCCGTG  
 GAGGTGACTGAAGAGGCCCTTCAGCCAAGACCATCAATGTCTTCAGGGACCCTCAGGAGATCAAGCGGA  
 CAGCCACACACCTCTCCTGGCACCTGATGGTAACAAGAAGCTGGCCGTGGCCTATTCTGCTTGCAGTT  
 CCAGCGCTCGCCATGGGCATGAGCCACGACTCCTACATCTGGGACCTGAAAACCCCAACCGACCTGAG  
 ATTGCCCTGAAGCCATCGTCTCCTCTCATCACCTGGAGTACAACCTAAGGATCCACGTTCTCCTAG  
 GGGGCTGTACAATGGGCAGATAGCCTGTGGGATACCCGGAAGGGCAGCCTGGTGGCAGAGCTGTCCAC  
 CATTGAGTTACGCCACCGAGACCAGTGTACGGCACCATCTGGTTGCAGTCAAAGACAGGCCACCGAGTGC  
 TTCTCAGCGTCCACGGATGGGCAGGTATGTGGTGGGACATCCGCAAGATCAGCGAGCCACCGAAGTTG  
 TCATTATGGACATCACCGAAAGGAGCAGCTGGAGAACGCCCTGGGCGCCATCTCCTTGGAGTTCGAGTC  
 TACCTTGCCAACCAAGTTCATGGTGGGCACTGAACAAGGCATTGTATCTCCTGCAACCGCAAGGCCAAG  
 ACGCCAGCGGAGAAGATCGTTTGCACCTTTCTGGCCACCACGGCCCTATCTATGCCCTCCAGAGAAACC  
 CCTTCTACCCAAAGAACTTTCTGACTGTTGGCGACTGGGCTGCCGCATCTGGTCTGAGGAGAGTCGGGA  
 GTCATCTATCATGTGGACCCGGTACCACATGGCTTACCTCTCTGATGGAGCCTGGAGTCCCGTGAGACCA  
 GCGGTTTTCTTACCACCAAGATGGATGGGACCCTGGACATCTGGGACTTGGTGTCAAGCAGTGTGACC  
 CTGCCCTCAGCCTGAAGGTATGTGACGACCCTTCTGCTCCGAGTTCAGGACACCGGGTGTCTCAT  
 CGCCTGCGGCTCCGAGCTCGGAACAACCACTCTGCTGGAGGTCTCCAGCAGTCTCTACTCTGCAGAGG  
 AATGAGAGGAACATAGCTTCTTCCATATTTGAACGTGAGACCCGGCGGAAAAGATCCTAGAGGCCAGAC  
 ACCGCGAGATGCGGCTGAAGGAGAAAGGCAAGGCAGAGGGCAGAGACGACGACGACGAGGAGGAGGAGAC  
 AGCCCTGGACCTCGATGAGCTAGTCAACAAAGCCGAGGAGGAGTCTTTCGAAGTCATCTTCGAGAGCTG  
 AAGAGGAAGGAGGAGGAGGCTTGAAGAAGAAACCGAAACCTAAAAAGCAAGTATAGAGGTGGAAGGCG  
 AAGATGAGCTGGAAGATATTGCTGGAGAGGAGGAAGAATCCGGCATCATATGGGTGAAGATACAGGTGA  
 AGATGACATGGATGAAAAGAATGAGGGCGGGCCCT**AG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001007726

**Insert Size:** 1860 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\\_001007726.1](#), [NP\\_001007727.1](#)

**RefSeq Size:** 2923 bp

**RefSeq ORF:** 1860 bp

**Locus ID:** 360654

**UniProt ID:** [Q66HC9](#)

**Cytogenetics:** 10q32.1

**Gene Summary:** Part of the dynein complex of respiratory cilia.[UniProtKB/Swiss-Prot Function]