

Product datasheet for **RN201269**

Dnai1 (NM_001024342) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dnai1 (NM_001024342) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Dnai1
Synonyms:	Dnaic1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN201269 representing NM_001024342
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCCCTCGAAACAGATTCGTAAGCAGAGTGTCATTTTGACCAGAGGAGCCAGGAAGCGAGAGGAAGACT
 CAGGGACTGATGTGGGAGAAGGAGCCGATGACTGGGCCCAATCCAAGCCGCTGTGCGGCCCCCTGACCA
 GCTGGAGCTGACTGACGCGGAGTTAAAGGAGGAGTTCACTCGGATCCTGACAGCAAAACAACCCACATGCA
 CCCCAGAATATTGTCAGGTACAGCTTCAAAGAACGCACATACAAGCTTATTGGTTTTGTGAACCAATGG
 CAATTCACCTCAGTCAGGTGGGAACTGATACCCAAAGACTCAGATGAAGGCCGTCGACAGCACTACCG
 TGATGAGCTGGTGGCAGTTTACAGGAGTCAGTCAAGGTGGTACTTACAGACACAGAAATCCTTGAAGAA
 GAGGAAGAACCCAAAGAAGGAGAAGGAGAAGGAGAAGGAGAAGCAGAAGGAGAAGCAGAAGCTGGGAGCC
 AAACGGACGTACCTGCTGCAGCCGAGACGACTGAAAAGGTGATTGAAGAAGAACTGATGGCTCCTGTGCA
 GCCCAAGGAGCGAAAACCTCACGAACCACTTAACTTCAGCGAGCGAGCATCTCAGACCTTCAACAACCT
 CTCGGGATCGAGAATGTAGATGGAGCCTCCACCTCGGACAAACTTTTCAGCCACAGCCAAATCAGTGGG
 AGATCTATGATGCCTATGTAGATGAGCTCGAGAACTGGAAAAGACCAAGAGAAGGAGAAGACCAAGAC
 TCCAGTGGCTAAGAAAACAGAGAAGATGGCCATGAGGAACTAACATCTATGGAGTCTCAGAGTGTATGAT
 ATCACCAAAGTGACCCAGCTGCTAAAACTGGGAGCGAATGGTCAACCAAAATACATACGATGATGTGC
 CTCAAGATTTTAACTACTATGAGGATGCTGCTGATGAATACAGGGACCAGGAGGGTACGCTGCTGCCTCT
 CTGGAAGTTTCAAATGACAAAGCCAAGCGCCTGGCCGTACCGCCCTCTGCTGGAATCCAAAGTACAAG
 GATCTTTTTGCTGTGGGACATGGCTCCTATGACTTCATGAAACAGAGTCGGGGCATGTGTCTGGACATGCA
 TATGGACCACCCCTACCTGGTGGTCTGGGCTACTATGACGGCAACGTGGCCATCTACAACCTCAAGAAG
 CCTCACTCACAGCCCTGCTTCCGACGACCTCCAAGTCTGGCAAGCACACGGACCCTGTATGGCAGGTCA
 AATGGCAGAAGGATGACATGGACCACAACCTTAACTTCTTTTCTGTGTCATCTGATGGCAGGATCGTGT
 ATGGACCCTTGTAAAGAGCGAGCTGGTCCACATCGATGTTATCAAGCTGAAGGACGAAGGCAGCACTACA
 GAAATCCCTGAGGGGCTGCAGCTGCACACTGTAGGCTGTGGCACTGCCTTTGACTCCACAAGAGATTG
 ACTATCTGTTCTCGTGGGCACAGAAGAGGGGAAAATCTACAAGTCTCCAAATCTACTCCAGCCAGTT
 CTTGGACACCTATGATGCTCACAACTGGCAGTAGACGCTGTGTTATGGAACCCATACCACGCCAGGGTC
 TTCATATCTTGCACTTCTGACTGGACAGTGAAGATCTGGGACCAGCCATCAAGACCCCATGTTTATCT
 ATGATCTGAACGAGCTGTGGTGACGTGGCCTGGGCACCGTACTCTTCCACTGTGTTTGCAGCAGTCA
 CACGGATGGGAAGGCCACGTGTTTACTGGCTGTCAACAAGTATGAAGCCATCTGCAACCAGCCGTGTG
 GTGGCCAAAGAAGAACAAGATTACCCATGTGCAGTTCAACCCATTACCCCATCATAATAGTGGGCG
 ATGACCGTGGACACATCACTGTCTCAAGCTCTCTCCAACTTACGAAAGATGCCGAAGGAGAAGAAGGG
 GCAGGAAGTGCAGAAGGGTCCAGCTGTGGAGATCGAAAATTGGACAACTGCTAAACCTTGTGAGGGAA
 GTAAAAACCAAAAC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001024342
Insert Size: 2118 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:	<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_001024342.1</u> , <u>NP_001019513.1</u>
RefSeq Size:	2441 bp
RefSeq ORF:	2118 bp
Locus ID:	500442
UniProt ID:	<u>Q5XIL8</u>
Cytogenetics:	5q22
Gene Summary:	Part of the dynein complex of respiratory cilia.[UniProtKB/Swiss-Prot Function]