

## Product datasheet for **RN206214**

### Piwil1 (NM\_001108853) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Piwil1 (NM_001108853) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Piwil1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN206214 representing NM\_001108853  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGACTGGACGAGCCGAGCCCGGGCCCGTGGCAGGGCCCGAGGTCAGGAGACGGTGCAGCATGTTGGGG  
 CTGCTGCAAGCCAGCAACCTGGGTACATCCCGCCGAGACCCAGCAGTCGCCACAGAGGGGACTTGGT  
 TGGCCGAGGACGACAGAGGGGAATGGTAGTCGGAGCCACGTCCAAGTCACAAGAAGTGCAGATCTCAGCC  
 GGGTTTCAGGAGCTGTCCTGGCAGAGAGAGGAGGGCGTCGCCGAGACTTCCATGACCTTGGTGTGAACA  
 CCAGACAGAACCTTGACCATGTCAAAGAGTCAAAGACAGGCTCCTCTGGCATCATTGTGAAGCTGAGCAC  
 CAACCACTTCCGGCTGACCTCGCGCCACAGTGGGCCCTGTACCAGTACCACATTGACTATAACCCCTG  
 ATGGAGGCCCGCAGGCTGCGCTCTGCCCTGCTCTCCAGCACGAAGACCTCATTGGAAGGTGTCATGCTT  
 TCGACGGGACAATATTGTTTTACCTAAGAGACTACAGCACAAGGTCACGGAAGTATTAGTCAGACTCG  
 GAATGGGGAACAGTGGGATTACCATCACCTGACCAACGAGCTGCCGCCACCTCACCCACCTGCCTG  
 CAGTTCTATAACATCATCTTCAGGAGGCTCTTGAAAATCATGAATTTGCAACAAATTGGACGGAATTATT  
 ACAACCCAAAGTGACCCGATTGATATTCCAAATCACAGGTTGGTGTACTGGCCCGGCTTACCACCTCCAT  
 ACTTCAATATGAGAACAACATCATGCTTTGCACAGACGTCAGCCACAAGGTCCTCCGAGCGAGACCGTT  
 CTAGACTTCATGTTCAATCTGTACCAGCAGACGGAGGAGCACAAGTTCAGGAGCAAGTGTCCAAGGAGC  
 TCATAGGCCTCATCGTCTCACCAAGTACAACAACAAGACCTACAGGGTGGATGACATCGACTGGGACCA  
 GAATCCAAAGAGCACCTCAAGAAGGCAGATGGCTCGGAGGTGAGTTCCTGGAGTACTACAGGAAGCAA  
 TACAACAGGAGATCACAGACTGAAGCAGCCAGTGTAGTGAGCCAGCCCAAGCGGAGGAGAGGCCCTG  
 GCGCACCTGCCTGGCCAGCCATGCTCATCCAGAGCTCTGCTACCTCACAGGCTGACTGATAAAAT  
 GCGCAATGATTTCAACGTGATGAAGGACCTGGCGGTGCACACAGGCTGACCCCTGAGCAGCGGCAGCGG  
 GAGGTGGGCCGCTCATCGACTACATCCACAAGGATGACAATGTGCAGAGAGAGCTTCGAGACTGGGGCC  
 TAAGTTCGATTGCAACTTGCTGTCTTCTCAGGAAGAATCTTACAATCCGAGAAGATCCACCAGGGTGG  
 AAAGACGTTTGATTACAACCCACAATTTGCAGACTGGTCCAAAGAAACGAGAGGCGCGCCGCTGATCAGC  
 GTGAAGCCGTTGGATAACTGGCTGCTGATCTATACCCGAGGAATTAAGAAGCGGCAACTCGCTGATAC  
 AGAACCTGTTCAAAGTACTCCGGCCATGGGCATCCAGATGAAAAAGGCCATCATGATCGAGGTGGACGA  
 CAGAACAGAAGCTTATCTGAGAGCCTTGACGAGAAAGGTGACATCAGACACTCAGATAGTTGTCTGTCTC  
 TTGTCAAGTAATCGAAGGACAAGTATGATGCCATCAAGAAGTATTTGTGCACAGACTGCCCCACCCAA  
 GTCAGTGTGGTGGCCCGGACGCTGGCAAGCAGCAAACAGTCATGGCCATTGCCACCAAGATCGCCCT  
 GCAGATGAACTGCAAGATGGGAGGCGAGCTCTGGCGGGTGGACATGCCTCTGAAGCTGGCAATGATCGTG  
 GGCATTGACTGTTACCATGACACCACAGCTGGGCGGAGGTCCATCGCAGGATTCCGTTGCCAGCATCAATG  
 AAGGGATGACCCGTTGGTCTCCCGCTGCGCTTTTCAGGACCGTGGACAGGAGCTGGTAGACGGTCTGAA  
 GGTGTGCTTCAAGCTGCCCTGAGGGCTTGAGTGGCTGCAATGAATATATGCCAGCCGAGTCAATTGTG  
 TACCGAGACGGTGTGGGGACGGGCAGCTGAAGACCCTGGTCAATTATGAGGTCCACAGTTCCTAGACT  
 GCCTCAAGTCAGTCGGGAGAGGTTACAACCCAAGACTGACCGTGTCTGATGAGTGAAGAAGCGAGTCAATGC  
 CAGGTTTTTTGCTCAGTCTGGGGGAAGACTTCAGAACCCTCTTCGGGGACAGTCAATGATGTGGAAGTC  
 ACCAGACCAGAGTGGTATGACTTTTTTCATCGTGAGCCAGGCAAGTGAAGAAGTGGAGTGTGTCCCAACAC  
 ACTACAATGTCATCTACGACAGCAGTGGCCTGAAGCCCGACCACATCCAGCGGCTGACGTACAAGCTGTG  
 TCACGTGTAACAATTGGCCTGGAGTCAATCCAGTCCCTGCACCTTGCCAGTATGCACACAAGCTGGCC  
 TTCCTCGTGGCCAGAGCATCCACAGAGAGCCGAACCTCTCCCTGTCCAACCGTCTCTACTACCT**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul  
**ACCN:** NM\_001108853  
**Insert Size:** 2589 bp

<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001108853.1</a></u> , <u><a href="#">NP_001102323.1</a></u>
<b>RefSeq Size:</b>	4005 bp
<b>RefSeq ORF:</b>	2589 bp
<b>Locus ID:</b>	363912
<b>Cytogenetics:</b>	12q13