

Product datasheet for **RN217245**

Piwil4 (NM_001271133) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Piwil4 (NM_001271133) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Piwil4
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN217245 representing NM_001271133
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGTGGACGGGCCGTGTGAGGGCGCGAGGCATCACCACTGGCCACAGTGCCAGGGAAGTGGAGCGGG
 CCCAAGAGACCTCATGGTGAGTGCTTCTGTCTATGAGCTTGGCGTCTCTTCTGGTGATGGTAGAGGTAC
 TCTCGTGAAAAAAGAGGCAATGGCAGACAGGACTTCGTCGATTTGGGTGTCTGTACCAGGGAGAAGTTG
 ACTCACGTAAGATTCTAAAACAGTTCTAGCGGAATACCTGTGCAGCTGGCTACAAATCTCTCCATT
 TAGATTTGCCAGGATTGGCAGCTATACCAGTACCATGTACATACAGCCCGATTTAGCCTTAGGAG
 GCTGAGGACTGCTGCTGTATAACCACAGCATACTCTCCGACAAGGCAAAGGCATTGACGGCACCAGC
 CTTTTCTCTCAGAAAAGCTGGACCACAAAGTACAGAACTGACAAGTGAACCCAAAGAGGGGAGACTG
 TGAAGATAACTCTACCCTGACCAGTGAAGTGTCCAAACTCCCGATGTGCATTTCAGTTTTTCAATGT
 CATCTTCAGAAAGATCTTTAAAAAGTTGAGCATGTACCAGATTGGACGGAACACTATAAGCCTTCAGAG
 CCAGTGGAGATCCCCAGTACAAATTGCCCTGTGGCCTGGGTTTGCATTTCTGTGCTCGCTTTGAAA
 GCAAACCTCTGTTCAATGCTGACGTAACTATAAAGTCTCCGCAATGAGACTGTCTGGAATTCATGAC
 TGATCTCTGCCTCAGAACCACATGTCATGCTTCACTGAGACGTGCCACAAAACAGCTAGTGGGGCTCATT
 GTCCTTACCAGGTACAACAACAAAACATATCGATCGATGACATTGACTGGTCTGTGAAGCCACACATG
 CCTTTCAGAAGCGGGATGGCTCAGAGACCACGTATGTGGATTACTACAAGCAGCAATATGATACACCTT
 ATCTGACCTAAATCAGCCAGTGTGTGCTGTTGAAAAGAAGGAGAAATGATAACTCCGAGCCTCAG
 ATGGTCCACCTGATCCCGAGCTCTGCTTCTCACGGCCCTGACCAGCCAAGCAACCTCAGACTTCCGCT
 TGATGAAGGCAGTCGCTGAAGAAAACCTCGCTCAGTCTATGGGAAGGCAGCAGCAACTAGCCCGGCTGC
 AGATGACATCCAGAGAAAACCAAGTGAAGTGGTTTGAAGCTTGAAGCTGGGGATTGCATTTTGAAGCCAG
 CTATCCCTGACCGGCCGGTTGTTCCCTCTGAAAAGATCCTGCTGCAGGACCACACATGTCAACCTGCAT
 TTGCTGCTGATTGGTCCAAGATATGCGATCTTGAAGTTCTGAGTTCTGAGCCTTTGAATACATGGTT
 GATCGTGTGCTGTAGCAGGGCTGAGCATTTGATTGAATCCTTCTGAGCTGTCTGAGGAGAGTTGGAGGT
 TCCACGGGATTCAGTGTGGGCCACCAAAAATCATAAAAGTGGATGAAAACCTGCAGCCTTCTTCGAG
 CCATCCAGCTGCACGTCAACCCGATGTTGAGTTGGTGTGTCATCCTGCCTTCTAATCAGAAGAACTA
 TTACGACTCCATTAAGATATTTGAGCTCCGACTGCCCGTCCCAAGCCAGTGTGTGCTGACCCGGACC
 TTGAACAACAGGGAATGATGCTGAGTGTGGCCACCAAGATCGCCATGCAAATGACTGCAAACCTCGGG
 GCGAGCTGTGGGCTGTGGAGATCCATTGAAGTCACTGATGGTCTGGGCATCGACATCTGTAGAGACGC
 CCTCAGCAAGGATGTAGCGGTCTCGGGTTTGTGCCAGCATAACTCCAGGATCACCAGGTGGTTTTCC
 CGCTGTGTCTCCAGAGAACGGCAGCTGATATTGCAGATTGCCTGAAAGTCTGCATGACTGGTGTCTCA
 ACAAGTGGTACAACACAACCACGATTTGCCGGCACGGATAATCGCGTACCGGGATGGTGTGGGCAACGG
 CCAGCTAAAGGCAGTTTTGGAATACGAAGTCCCACAGCTGCTGAGCAGTGTGACAGAATGTGGCTCCGAC
 GCCAGGAGCTGTAGACTGTGAGTGGTGTGAGGAGAGGTGTCTGCTGCGTCTCTTTGCCGAGTCTG
 GCCATACGCTACAGAACCCCACTTGGCACTGCTGGACTCAGAAGCAACACGTCCAGAGTGGTATGA
 CTTCTACCTGACCAGCCAGACTGCTAACCGGGGACTGTTAGTCCACCTACTACAATGTCATCTATGAC
 GACAACGCTCTGAAGCCTGACCATATGCAGCGGCTGACCTTCAAACCTGTGCCACCTCTACTACAACCTGGC
 AGGGCGTAATCAGTGTCCCTGCTCCGTGCCAGTATGCACACAAGCTGACCTTCTGGTGGCACAAGCAT
 CCACAAGGAACCAAGTCTGGAATTAGCCAATAAGCTCTTCTACCT**GTGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001271133
Insert Size: 2499 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_001271133.1, NP_001258062.1</u>
RefSeq Size:	3109 bp
RefSeq ORF:	2499 bp
Locus ID:	689972
Cytogenetics:	8q12