

Product datasheet for **RN207242**

Piwil2 (NM_001107276) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Piwil2 (NM_001107276) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Piwil2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF:

>RN207242 representing NM_001107276

Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGGATCCTGTCCGGCCATTGTTTCAGGGGGCTACTCCAGTCCACCCATCTCAATGTGTTCCGGATGCCAG
GCTGTTGGCCGCAAGCTCCTAGACCTTTGGAACCAAGCTTGGGGTAGGGCAGGACCTGCAGGCAGAGGCCT
TGTGTTTAGAAAAGCCAGAGGAATCCAGCCACCACTCCAGCCAGTACAAAAGGAGTCTGTGGGTTTGGTG
TCCATGTTTCGTGGCATGGGTCTTGACACAGCATTGCGGGCCCTTCAAAACGAGAAGTGCCCTCCTTTAG
GCAGAGGAGTTCTAGGTCGAGGCTTGTCTGCTAACGTAGTCCGCAAGGACAGAGAAGAATCCCGTTCCTC
TTTGCCTGATCCTTCGGTCTGGCAGCTGGGGACAGCAAGCTGGCAGAGGCTTCTGTTGGATGGAGTAGA
ATGCTGGGAAGAGGTAGTTCTGATGTCTTTGTTACCACTGGGAAGAGCAGCTGGTAGTATAGGCAGAG
GAGTGGACAAACCTCCCAGTGCCTTTGGCCTTACTGCTCGGGATCCCCCTCGGCTGCCCCAGCCTCCAAC
TCTGTCTCCAACCTCACTGCACTCCTCTGATCCTCCTCCAGTCTGACTATAGAGCGAAAGGAAAAAGAG
CTTTTGGTCAAGCAAGGATCAAAAGGAACACCTCAGTCTTTAGGACTGAACCTCATCAAAATCCAGTGTC
ATAACGAAGCAGTTTATCAATATCATGTAACCTTCAGCCCAATGTGGAGTGCAAAAGCATGAGGTTTGG
CATGTTGAAGGACCACCAATCTGTCACTGGAAACGTTACTGCTTTTATGGCTCTATTCTTTATCTTCTCT
GTTAAGCTTCAACAACCTGTTGAGTTAAAAAGCCAGAGAAAAACTGATGATGCCGAGATCAGCATCAAGA
TTCAGCTGACAAAGATCCTGGAGCCATGTTCCGACTTGTGCATTCCCTTCTACAATGTTGTCTTCCGGCG
GGTAATGAAACTTTTGGATAGAAGCTTGTGGGGAGAACTTCTATGATCCTACAAGTCCATGGTACTG
CAGCAACACAGATTGCAGATCTGGCCTGGCTATGCAGCTAGTATCCGGAGGACAGATGGGGTCTCTTCT
TGCTCGTGTGATCTCTCATAAGGTCAATCGGAATGACTCTGTACTGGATGTCATGCATGCTATCTACCA
GCAGAACAAGGAGCACTTCCAGGACAGTGCAGCAAGCTTCTGGTGGGCAGCATTGTCATCACACGCTAC
AACAAACCGTACCTACCGATTGACGATGTGGACTGGAACAAGACCCCTAAAGACAGCTTTGTAATGTCGG
ATGGGAAGGAGATCACATTCTGGAGTACTACAGTAAAAACTATGGGATCACAGTAAAGAAGATGACCA
GCCGCTGCTCATCCACCGGCCAGTGAGAGACAGAATAACCATGGCACGTTGCTGAAGGGTGAAGTCTCTG
CTGCTGCCTGAGCTTTCCTTTCATGACGGGGATTCTGAGAAGATGAAGAAGGACTTCAGGGCCATGAAGG
ACTTGACTCAGCAGATTAACCTGAGCCCCAAGCAGCACCACAGTCTTTGGAATGCCTGTCAGAGAAT
TTCAAAAATGAGACAGCCAACAACGAGCTGACCCGCTGGGGCTCAGTCTGCAAAAAGATGTCCACAAG
ATCGAAGGCCGCTTCTACCAATGGAGAGGATTAACCTAAGGAATACTTCATTTGTCACATCGGAGGACC
TGAAGTGGTTAAGGAGGTGACCAGAGATGCTTCCATTCTGACTATTCCCATGCATTTCTGGGCACTCTT
TTATCAAAGAGAGCAATGGACCAAGCCAGAGAACTGGTTAACATGTTGGAAAAGATTGCTGGCCCCATT
GGCATGGCATAAGCCCCCAGCCTGGGTTGAACTGAAGGATGACCGAATAGAGACCTATATCAGGACCA
TTCAGTCTTACTGGGAGTTGAGGGGAAGATACAAATGGTCGTTTGCATCATCATGGGCACACGGGATGA
TCTCTATGGGGCCATCAAGAACTGTGCTGTGTGCAGTCCCAGTGCCCTCACAGGTCATCAATGTCGA
ACCATTGGTCAACCCACCAGGCTTCGGAGTGTGGCTCAGAAAATTTTACTTCAGATGAACTGTAACCTGG
GTGGTGAAGTCTGGGGAGTAGATATTCCACTGAAACAATTAATGGTGATTGGGATGGATGTGTACCACGA
CCCCAGCAGAGGCATGCGCTCTGTGGTTGGCTTTGTTGCCAGCATAAATCTCACACTCACCAATGGTAC
TCGAGGGTGGTGTCCAGATGCCGCATCAGGAGATTGTGGACAGCCTGAAGCTCTGCCTGGTGGGCTCCT
TGAAAAAGTATTATGAGGTGAACCACTGTCTCCAGAGAAGATTGTTGGTGTACCGAGATGGAGTGTCTGA
TGGCCAGCTAAAGACAGTTGCCAATATGAGATCCCTCAGCTGCAGAAGTCTTTGAAGCCTTTGATAAC
TACCATCCAAGATGGTGGTATTTGTAGTTTCAAGAAAAATCAGCACCAATCTGTACCTTGTCTGCTCCTG
ACCACTTTGTGACCCCTCCCCTGGGACTGTGGTTGATCATACCATAACCAGCTGTGAGTGGGTGGATTT
CTACCTTCTTGTCTCATGTGCGACAGGGCTGTGGCATACCTACACACTACATCTGTGTTCTGAACACT
GCAAACTGAGCCCTGATCATGCAGAGGCTGACTTTCAAATATGCCACATGACTGGAATTGGCCTG
GTACCATCCGAGTTCAGCTCCTTGAAGTATGCCACAAGCTAGCTTTCCTGTCCGGACAGATTTTGCA
TCATGAACAGCCATCCAGCTATGTGAGAACCTGTTCTTCTGTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001107276
Insert Size:	2916 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_001107276.1</u> , <u>NP_001100746.1</u>
RefSeq Size:	4899 bp
RefSeq ORF:	2916 bp
Locus ID:	306011
Cytogenetics:	15p11