

Product datasheet for **SC306397**

PIWIL4 (NM_152431) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: PIWIL4 (NM_152431) Human Untagged Clone
Tag: Tag Free
Symbol: PIWIL4
Synonyms: HIWI2; MIWI2
Mammalian Cell Selection: None
Vector: [pCMV6-XL5](#)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_152431 edited
AACATGAGTGGAGAGCCCGAGTGAAGGCCAGAGGCATCGCCCGAGCCCCAGTGCCACA
GAAGTGGGGCGCATCCAAGCCTCGCCATTGCCTAGATCTGTTGATCTTAGTAACAATGAA
GCATCCTCTAGCAATGGCTTCTTGGGAACAAGCAGGATCTCAACCAACGATAAATATGGG
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GCCATCCTTTTTCTGTCACAAAAGCTAGAAGAAAAGGTACAGAGTTGTCAAGTGAACCT
CAAAGAGGTGAGACTATAAAGATGACTATCACCTGAAGAGGGAGCTGCCATCAAGTTCT
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AATGCACAGTCTTTGAATACCTGGTTGATTTTATGTAGCGACAGAACTGAATATGTTGCC
GAGAGCTTCTGAACTGCTTGAAGAGTTGCAGGTTCCATGGGATTTAATGTGGACTAC



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CCCAAAATCATAAAAGTACAAGAAAATCCAGCTGCATTTGTTAGAGCTATACAGCAATAT
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GAGCATTGTGAGAGTGGTTTAAATAGTTGAAAATAAAGTTCAGAACATCAAAAAAAAAA
AAAAAA

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- Restriction Sites:** Please inquire
- ACCN:** NM_152431
- Insert Size:** 3000 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:** The ORF of this clone has been fully sequenced and found to be a perfect match to the protein associated with NM_152431.1.
- 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_152431.1](#), [NP_689644.1](#)

RefSeq Size: 3138 bp

RefSeq ORF: 2559 bp

Locus ID: 143689

UniProt ID: [Q7Z3Z4](#)

Cytogenetics: 11q21

Protein Pathways: Dorso-ventral axis formation

Gene Summary: PIWIL4 belongs to the Argonaute family of proteins, which function in development and maintenance of germline stem cells (Sasaki et al., 2003 [PubMed 12906857]).[supplied by OMIM, Mar 2008]