

Product datasheet for **SC332274**

PIWIL3 (NM_001255975) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PIWIL3 (NM_001255975) Human Untagged Clone
Tag:	Tag Free
Symbol:	PIWIL3
Synonyms:	HIWI3
Vector:	pCMV6-Entry (PS100001)



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Fully Sequenced ORF: >SC332274 representing NM_001255975.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGCCTGGTAGGGCAAGGACTCGCGCCCAGGCAGAGCCCAGGGAGAGCTACCAACAAGAGGCA
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Restriction Sites: SgfI-MluI
ACCN: NM_001255975
Insert Size: 2622 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_001255975.1</u>
RefSeq Size:	3481 bp
RefSeq ORF:	2622 bp
Locus ID:	440822
Cytogenetics:	22q11.23
Protein Pathways:	Dorso-ventral axis formation
MW:	100.1 kDa
Gene Summary:	<p>This gene encodes a member of the PIWI subfamily of Argonaute family proteins. This subfamily of proteins contains a PAZ domain, found in proteins involved in RNA-mediated gene silencing, and a C-terminal Piwi domain. The encoded protein is thought to function in maintenance of germline cells. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2011]</p> <p>Transcript Variant: This variant (2) uses an alternate splice site compared to variant 1. The resulting protein (isoform 2) is shorter compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>