

Specifications:

Gene:	hPIWIL1
Accession:	NP_004755
Insert size:	2599bp
Concentration:	10µg at 0.2µg/µL

hPIWIL1/HIWI cDNA Plasmid

PIWIL1 piwi like RNA-mediated gene silencing 1 [*Homo sapiens* (human)]

Also known as: HIWI; MIWI; PIWI; CT80.1

Summary:

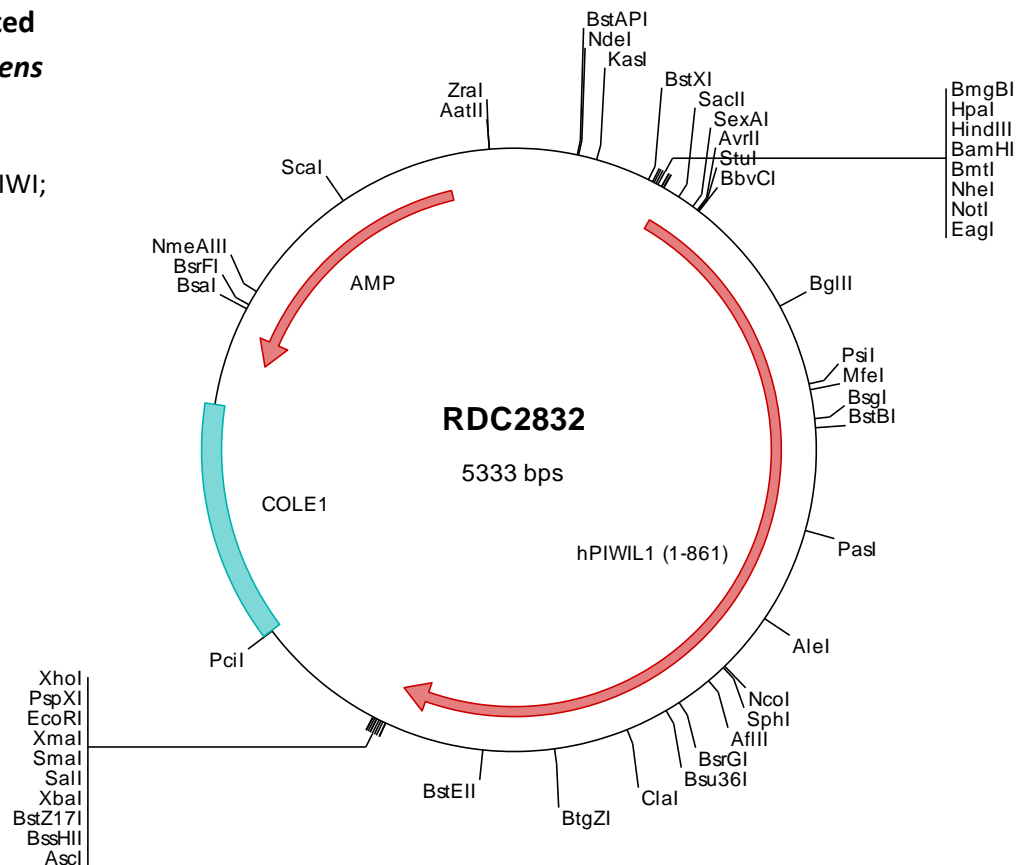
PIWIL1 is a member of the PIWI subfamily of Argonaute proteins, evolutionarily conserved proteins containing both PAZ and Piwi motifs that play important roles in stem cell self-renewal, RNA silencing, and translational regulation in diverse organisms. It may play a role as an intrinsic regulator of the self-renewal capacity of germline and hematopoietic stem cells. Alternatively spliced transcripts encoding different proteins have been described.

Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

Preparation and Storage

Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC2832 Plasmid DNA Sequence

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> RDC2832 Translated Insert Sequence

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