

Product datasheet for **RC224247L4V**

PIWIL3 (NM_001008496) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Symbol:	PIWIL3
Synonyms:	HIWI3
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001008496
ORF Size:	2646 bp

ORF Nucleotide Sequence: The ORF insert of this clone is exactly the same as(RC224247).

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

RefSeq:	NM_001008496.1 , NP_001008496.2
RefSeq Size:	3504 bp
RefSeq ORF:	2649 bp
Locus ID:	440822
UniProt ID:	Q7Z3Z3
Cytogenetics:	22q11.23



Protein Pathways: Dorso-ventral axis formation

MW: 100.9 kDa

Gene Summary: 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]