

Product datasheet for **RC205469L2V**

PIWIL1 (NM_004764) Human Tagged ORF Clone Lentiviral Particle

Product data:

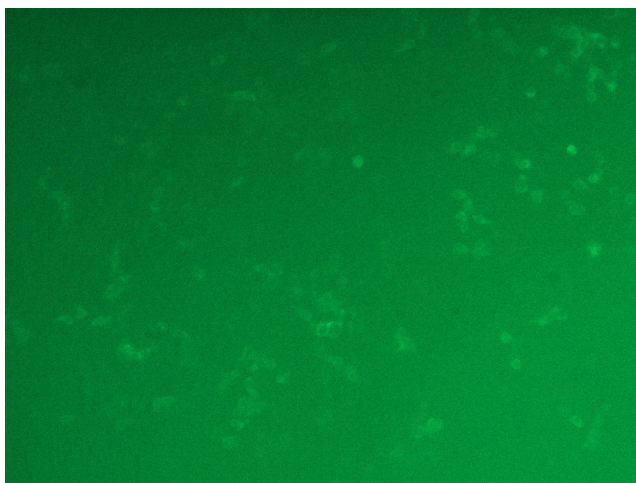
Product Type:	Lentiviral Particles
Product Name:	PIWIL1 (NM_004764) Human Tagged ORF Clone Lentiviral Particle
Symbol:	PIWIL1
Synonyms:	CT80.1; HIWI; MIWI; PIWI
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_004764
ORF Size:	2583 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC205469).
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_004764.3
RefSeq Size:	3591 bp
RefSeq ORF:	2586 bp
Locus ID:	9271
UniProt ID:	Q96J94
Cytogenetics:	12q24.33
Protein Pathways:	Dorso-ventral axis formation
MW:	98.5 kDa



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Gene Summary:

This gene encodes 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. The encoded protein may play a role as an intrinsic regulator of the self-renewal capacity of germline and hematopoietic stem cells. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2010]

Product images:

[RC205469L2] was used to prepare Lentiviral particles using [TR30037] packaging kit. HEK293T cells were transduced with RC205469L2V particle to overexpress human PIWIL1-mGFP fusion protein.