

Product datasheet for **RC210514L1V**

Plakophilin 2 (PKP2) (NM_001005242) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Plakophilin 2 (PKP2) (NM_001005242) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Plakophilin 2
Synonyms:	ARVD9
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_001005242
ORF Size:	2511 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC210514).
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_001005242.1 , NP_001005242.1
RefSeq Size:	4307 bp
RefSeq ORF:	2514 bp
Locus ID:	5318
UniProt ID:	Q99959
Cytogenetics:	12p11.21
Protein Pathways:	Arrhythmogenic right ventricular cardiomyopathy (ARVC)
MW:	92.7 kDa



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Gene Summary:

This gene encodes a member of the arm-repeat (armadillo) and plakophilin gene families. Plakophilin proteins contain numerous armadillo repeats, localize to cell desmosomes and nuclei, and participate in linking cadherins to intermediate filaments in the cytoskeleton. This gene product may regulate the signaling activity of beta-catenin. Two alternately spliced transcripts encoding two protein isoforms have been identified. A processed pseudogene with high similarity to this locus has been mapped to chromosome 12p13. [provided by RefSeq, Jul 2008]