

## Product datasheet for **SC215949**

### Plakophilin 2 (PKP2) (NM\_004572) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	Plakophilin 2 (PKP2) (NM_004572) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	PKP2
Synonyms:	ARVD9
ACCN:	NM_004572
Insert Size:	1699 bp



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**Insert Sequence:** >SC215949 3'UTR clone of NM\_004572  
 The sequence shown below is from the reference sequence of NM\_004572. The complete sequence of this clone may contain minor differences, such as SNPs.  
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GCCAAAGCCTACCACTCCCTTAAAGACTGAGGAAAAATGACAAAATTCTCGGCTGCAAAAATCCCCAA
AGGAAAAACCTATTTTTCTACTACCCAGCCCAAGAAACCTCAAAAGCATGCCTTGTCTATCCTTCT
CTATTTCCGTGGTCCCCTGAATCCAGAAAACAAATAGAACATAATTTTATGAGTCTTCCAGAAGACCTT
TGCAAGTTTGCCACCAAGTAGATACCGGCCACAGGCTCGACAAATAGTGGTCTTTGTTATTAGGGCTTAT
GGTACATGGCTTCTGGAATCAAATGTGAATTCATGTGGAAGGGACATTAATCCAATAAATAAGGAAA
GAAGCTGTTCATTACTGGGATTTAAAGTTTGATTTACATTTATTCCTTTTCTGGTCCCATGTT
TTGTCACTCATGTGCACATTGCTTCGCCATTGGCCTCCAGTGTATTGTTCTGCAGTGTGAAACAGAA
TGGAAATGACAAGAAATATCTGCAGTTATCCAGGAGAAAGTATAATGGCAAAATTATTGGTTTCTTTCT
TTACTTTGTGCTTGTTTTTATCCCTTGGGTTGTTTTCTCTGATTTTTAAATAAACTTAAGAAATTTA
GATTACAGAGTATGCATGACTGTAAAGAAAAAGAAATTGAGAGGAAGTGATCATAGCAAATTAAGAAAGT
CTTTTCTCCAGAACTTAAAGTAAAAATAAAAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA
GCAACTGTGATGATAAAATTTAACGTTCCCCCAACACTGAGTCAATGAGATTTTTCTCAGGAGATACT
TTACCTATAACAACGCCGTTAAATCCAAATCTCTTCTAAACGATGGCATTCTATGTAATGCCTTCTCTG
GACTTTTTTGGCCACTGCCCTGGACTAGTGAAGAATGGACTCTATCTTTATCTGCAAGAGGAACAAAG
GCCTTCTCTCAGACTGCCTGGCCAGCCTGGGCACTGAAAATACGGCTCATGTTAATGAGTTACATTAT
CAGCCAGCCAGCCTTGGCCACCAATTAAGAAATATCACAGAGCCACTAGATCTCATGATCTTCTTC
AAGCCATTATTTTAACTCAAGAAAACTCTAGAGAAGAAAAGTGAAGAAGTCATGTTGAAGAAGATGTAA
GAATGTGTCAAGACCATCCAGAAATGATATGAGAAATACTGATATTTTAAATGGTTGACATCATCCAGC
GAAATGAATCTACATTAATGTTGTTTTAACTGCGCTATGATTAACCATTTCATATAGAGTTAGTCTT
TACAACACTACTATTCTGTTATTTTTTTTTTAACTGACAACATTTGCTCCTAAGTAAGATAAGCAAAAA
ATTCTTCAACTCCTTTTGGCAAGAAAAGTAAACAGAAAATAAATTTGAATGTGTAAGTCTTTA
TTATATTTGAAGCAATTTTTTTTCAATTTTAAAGCTGAATGAAGACAACCTAGGTTGCTAACCTAGTT
CAAAATGAAATTTTAGATAACCAATTTTTTAAATACTGGAGAGAATTTATATGCTTTTTCCAGAGTT
CTGATGATAAGCATTGGAGTGCATTTATCCTCCAGATAATAAATGTGTGTTCCAGAACTTTTTGTGTT
TTTTAAGGCATTAATAAAGCCTTCGATAATATTAATACAAAA
ACGCGTAAAGCGGCCGCGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCACCGCCGCTTCTATGAAAGG
  
```

**Restriction Sites:** Sgfl-Mlul

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).

**Components:** The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

**RefSeq:** [NM\\_004572.4](#)

**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]

**Locus ID:**

5318

**MW:**

66.6