

Product datasheet for **RN217374**

Pkd2 (NM_001191934) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pkd2 (NM_001191934) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Pkd2
Synonyms:	RGD1559992; Trpp2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN217374 representing NM_001191934
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGTGA^{ACT}CCAG^{CGT}GTGCAG^{CGC}AGCCTCCCGGGACCCCGGACGCTCGCCCGCGCCGAGCGT
 CCGGGCCCGGCCCTGCTGGCGGGAGGCGCCGGCCTGGCAGTCCCGCGCGCCTGCGGGAGCAGCGGG
 CCTGGAGATTGAGATGGAGCGCATCCGGCAGGCGGCGCTCGGGACCCACCGGCCGAGCCTCGGCCTCG
 CCTTCTCCTCCGCTGTGCTCCTGCTCCAGGCAGGCATGGAGCCGCGACAACCCGGGCTTTGAGGCCGAAG
 AGGATGACGACGACGACGAGGTGGAAGGAGAAGAAGGAGGGATGGTGGTGGAGATGGACGTGGAGTGGCG
 TCCGGGACGCCGAAGACCGGCCCTCTCTCGGCCGTGAGCTCGGCGGGCGCCCGCGCCGGGCTGTGGGA
 AGCTATCGCGGCGGGCTTACCCGAGCGGGAGACGGCGCCGGCTAGAGGACCAGGGCGCGCCGTGTCCCA
 GCCCGCGGGGCGGGGACCCGCTGCATCGCCACCTCCCGCTGGATGGCCAGCCGCCCGAGTGGCCTG
 GGCCGAGAGGCTGGTGCAGGACTGCGAGGTCTCTGGGAACAAGACTCATGGAAGAGAGCAACGCTAAC
 CGAGAGAAATACCTGAGAAGCGTGTTCGGGAGCTGGTCACTTACCTCTTTTCCCTCATACTCTTGTGCA
 TCTTGACCTATGGCATGATGAGCTCCAACGTGTACTACTACACTCGGACACTGTCACAACTTTTCATAGA
 CACCCAGTGTCTAAACAGAGAAAACCACTTTAAAACCTCTCTTCCATGGAGGACTTCTGGAAGTTC
 ACAGAAGGCTCCTTCTGGATGGGCTGTACTGGAAGGCACAGAGCAGCAACCATACGCAAGCTGACAACC
 GGAGCTTTATTTTCTATGAGAACCTGCTGCTAGGAGTGCCGCTCTACGCCAACCCTCGAGTCAGAAACGG
 ATCCTGCTCCATCCCTCAGGACTGAGAGATGAAATTAAGAATGCTATGATGTCTACTCTGTGAGCAGT
 GAGGACAGGGCTCCATTTGGACCGCGGAACGGAACCTGCGTGGATCTACACAAGTAAAAAGACCTGAATG
 GCAGCAGTCACTGGGGAATCATTGCGACTTACAGTGGAGCCGGTTACTACCTGGATCTGTCCAGAACCCAG
 GGAGGAGACAGCGGCCAGCTTCTGCTGGCTCAGGAGGAATTTCTGGCTGGACCGGGCACACGGGACGCT
 TTCATTGACTTCTCGGTGTATAACGCAAACATTAACCTGTTCTGTGTGGTCAAGTTATTGGTTGAGTTCC
 CAGCAACGGGTGGCGTGGTGCCTCTTGGCAGTTTCAGCCTGTAAAACCTGATCCGCTACGTCACAGCCTT
 TGATTTCTTCTGGCAGCCTGTGAGATTATCTTTGTTCTTTATCCTTTACTATGTGGTGAAGAGATA
 TTGAAATTCGGATTCACAGACTGAACTATTTCAAGGATTTCTGGAATTTGTCTGGATGTTGTGATTGTTG
 TGTTGTCCGTAGTACCATGATGATTAACATTTACCGGATGTCCAATGCTGAGGGGCTGCTACAGTTTCT
 CGAAGATCAAAATCTTTCCCAACTTTGAGCATGTGGCATACTGGCAAATACAGTTCAACAATATAGCT
 GCCGTGATGTTTGGTCTGGATTAAGCTCTTCAAATTCATCAATTTCAATAGGACCATGAGTCAGC
 TCTCCAGACCATGTCCAGATGTGCAAAGACCTTTGGCTTACCATCATGTTCTTCATCATCTTCTT
 GGCATATGCCAGTTGGCGTACCTTGTCTTTGGCACTCAGGTGGATGACTTCAGTACTTTCCAAGAGTGT
 ATTTTCACTCAGTTCGCATCATTTTGGGTGATATCAACTTCGCAGAGATCGAGGAAGCTAACCGAGTTT
 TGGGGCACTTTATTTTACTACATTTGTGTTCTTTATGTTCTTCACTTTTGAACATGTTTCTGGCGAT
 CATCAATGATTCCTACTCTGAGGTGAAATCAGATCTGGCCAGCAGAAAGCAGAAATGGAACCTCAGAC
 CTTATCAGAAAGGGCTGCCAAAAGCACTTGTCAAACCTAAAACCTAAAAGAAACACCGTAGACGCCATTT
 CAGAGAGTCTCCGGCAAGGTGGTGGCAAGCTAACTTTGATGAACTTCGGCAAGACCTGAAAGGGAAGGG
 CCACACGGACGCAGAGATCGAGGCCATATTCATAAATATGACCAGGACGGCGACCAGGAACCTGACTGAG
 CGTGAGCATCAGCAGATGAGAGATGACTTGGAGAGAGAGAGGGAGGACCTAGACTTGGAAACAGCTCTT
 TACCACGTCCCATGAGCAGCAGAAGTTTCCCCAGAAGCCTGGATGACTCTGAGGAGGAAGACGATGAAGA
 CAGTGGCCATAGTTCCAGGAGGAGGGAAGCATCTCCAGTGGGTTTCTATGAAGAGTTCCAAGTACTG
 GTGAGACGCGTGGACCGCATGGAGCACTCCATCGGCAGCATCGTGTCCAAGATCGATGCTGTGATTGTCA
 AGCTTGAGATCATGGAGCGGGCAAGGTGAAGAGGCGAGAGGTGTAGGAAGGCTGCTGGATGGAGTGGC
 TGAGGATGCGCGCCTGGTTCGGGATAGTGAGATCCACAGGAGCAGATGGAGCGCCTGGTTCGGGAAGAG
 CTGGAGCGCTGGGAATCGGATGACGCAGCTTACAGTCAGGTCACGGTCTAGGCACACAAGTGGGACTCG
 GTGGCCAGTCGCACCCAGAAGCTCCCGCCCCCTTCTCCAGTCTGCAGAGGGCTGGAAGGCGGAGG
 TGGAAACGGAAGTACCAACGCGCATGCGTAA

AGCGGACCGACGCTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-RsrII
ACCN:	NM_001191934
Insert Size:	2901 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_001191934.1, NP_001178863.1</u>
RefSeq Size:	4851 bp
RefSeq ORF:	2901 bp
Locus ID:	498328
Cytogenetics:	14p22