

Product datasheet for **RR214610**

Pp2d1 (NM_001134567) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pp2d1 (NM_001134567) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pp2d1
Synonyms:	RGD1564811
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR214610 representing NM_001134567
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGATTTTGAATATATAGCCCTGTAAGAGTTTTTTTGAATCAAACAATGGGATGAGAAAATTCAA
 AATTTACTTCAGATGAGGCTCTCCAACTGTCAGAACAAATGTCAGAAGGCGTAGTAGACTGCCACGAAT
 GAATGACCAGAGGAGTCCACTGACCAGCTGACTTCGGTTGACATGGGTGACATGGTCACATTCCCTCGC
 TCTGTCTGCCACCAAGAACTGAACACAGCTGGGAATTTTCTCCATAAGAAACATCACAATGCTCTGAGTA
 CGCTGGGTTTCGAGTGGATGGGAGGGAGAAACCAAGCCAAAAATGGTCAGTTTTTCACAGAGAGTGTAT
 AATTTCTAACCTTTTGGATCTTCTACATACAGTGAAAAAGTCTTCAGAGTATGAATTATGCATTTGAG
 CTTCTTAGGAAGAAACAAATCCGTCGTACTTCAAACCTTGTGACAAGGTCGGAGAGACTTCTATATATT
 CTCCAACCAGCTACCACCTTCTGATTAAGGTATAGCCATCTGTAGCAATAGTAATCAACCTGGAAAGC
 TGAGCCAACTGTAATTCACGGTCGTGAACGACTTTGGCGATAAAGCCAATGTGTGCTTTTTCGGTTTA
 TTTGATAGTCATCATGGTTACGCAGCAGCAGACCTGGCATCAAAGGAGTTTCAGGTTTTACTTCTCCATC
 AACTGTCTGTACAGGATCCTTCTACCAGATGACAGCCGAGCAACAGGATCTCATCAATTCCTTTCACAC
 GGTGTTACAGGAAGAATACAGAGCCAGAGAAGAGGCTTCTCTTCCACATATAAAACCTTCAGAACCAAT
 AAACGGGAGTATGAGGATGTACACAAAGCGTTTGCCAAGGCATCTGGAGAATGGATAGGCTTCTACGGC
 TGGGAAGGAACGAGGCTCCCGGTTCCGGTGGAGCGGCTGTTGAGCACTCACGTGTATATTAGAGGGTGG
 GATCAAGAACCCACAGGCTACTAAGGACTGGGAAAAACCTATCAGCATGGTGTAAACAGCTCTCCCTTC
 CAGAAGATTCCCAGATCATCTCTGGAGTACTACACATTGCAAAATGCTGGAAATGTACAAGCAGTCTTAT
 GCAGAAATGGAAAAGGATTTTGCCTGACCAAGGAGCACACTACAGAAACACTAAAGAAAGAAGAAGAGT
 ACTTTACAGCGAAGTAGGGATCAGTTTACAGATGACCCCTATGGTCTCCTGGATGGGCACATAAAAACCACC
 AGGGGTCTTGGATTCCATGGAAACCTCAGACTAAAAAAGGCCATTATTCCAGTACCACAAACAATTTCTG
 TCCCTATAGATGATTTATGTCAGTTTCTCATCTTAGCCACCAATGGACTTTGGCAAGTTTTGGACAAGAA
 GGAAGTCACTGCACTGGTAATCACTTTGTTTCCGCATATAAAGAAACATGTGTTTCTGGCCCTAGAAAT
 AAACCCTGGCCATCTAAAAGCCTGCTTTTCCACCAGACAGTAACATCCGCGTGTGTTCCAATACCAGC
 CTGAAAATGAAGACATTACGTCAACTACAGATGTAATGAAAAGGTTATCTGACTCACCATTGCTGACAC
 CAACATTCATCAAGATACATCTGCAGAAACATTTCTACAAAAGCGACCTTATGACCCTTATAGCACA
 AAAGAGAGTAATAGCTTACCCACTACGAACAGTAAGCAGGAAAGTGAGAAAGAAATGTATTAAGAACT
 TCTATAAAGGTGCAGCTGAGTACATTGGCTGTCAACTGGTAAGTCTGCAATAGAAGGTGTTCCAGAGA
 CAGCATCACTGTTATGGTAATGTTTCTCAATGGAAGTGAATATCACAGGCGGACA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR214610 representing NM_001134567
 Red=Cloning site Green=Tags(s)

MDFEIYSPVRVFLKSKQWDEKTSKFTSDEALPTVRTNVRRRSRLPRMNDPEESTDQLTSVDMGDMVTFPC
 SVCHQELNTAGNFLHKKHNNALSTLGFEMGGRKPKPKMVSFHRCEIISNLLRSSTYSEKVLQSMNYAFE
 LLRKKQIPSYFKLCDKVGETSIYSPTSYHLLIKGIAICSNSTWKAEPNCKFTVNDVFDKANVCFGL
 FDSHHGYAADLASKEFQVLLHQLSVQDPSYQMTAEQQDLINSFHTVFREEYRAREEAFSSTYKFRTN
 KREYEDVHKAFKAFWRMDRLRLGRNEVSRVRWSGCSALTCILEGGIKNPQATKDWEKTYQHGVNSSPF
 QKIPQIISGVLHIANAGNVQAVLCRNGKGFCLTKEHTTRNTKERRRVL YSEVGISSDDPYGLLDGHIKTT
 RGLGFHGNLRLKAIIPVPQISVPIDDLQFLILATNGLWQVLDKKEVTALVITLFHAYKETCVSGPRN
 KPWPSSKLLFPDPSNIRVLFQYQPENEDITSTTDVMKRLSDSPFADTNIHQDTS AETFLPKATSYDPYST
 KESNSLPTTNSKQESEKEICIKNFYKGAEEYIGCQLVSAAEIGGSRDSITVMVMFLNGSEYHRRT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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.
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:	NM_001134567.1 , NP_001128039.1
RefSeq Size:	2461 bp
RefSeq ORF:	1878 bp
Locus ID:	316157
Cytogenetics:	14q21
MW:	71.1 kDa