

Product datasheet for **RR211730**

Ppp1r16a (NM_001130566) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ppp1r16a (NM_001130566) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ppp1r16a
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RR211730 representing NM_001130566
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGCCGAGCACCTGGAGCTGCTGGCAGAGATGCCCATGGTAGGCAGGATGAGCACCCAGGAGCGGCTGA
 AGCATGCCCAGAAGCGAGCTGCCAGCAGGTAAAATGTGGGCCAGGCTGAGAAGGAGGCCCATGGTAA
 CAAGAAGGGCCATGGGGAGCGGCCAAGGAAGGAGGTAGCTGGCCCAAGCCTCAGAAGCAGGTCCACTTC
 CCTCCCAGCATTGCCCTTCTGGAGGCTGCTGCCGGAACGACCTGGAGGAAGTCCGCCAGTTCCTTACCA
 GTGGGGTTAGCCCAACCTGGCCAATGAGGATGGCTTGACTGCACTGCACCAGTGTGATTGATGACTT
 CCAAGAGATGGTACAGCAGCTCCTGGAGGCTGGGGCTGATGTCAATGCTCGAGACAGTGAAGTGTGGACA
 CCTCTGCATGCGGCAGCTACCTGCGGCCATCTGCATCTGGTGAAGTCTTATTTACAGTGGTGCAGATC
 TCCTTGCACTCAATACAGATGGGAATATGCCCTACGACCTGTGTGAGGATGAACAGACACTGGATTACCT
 CGAGACTGCCATGGCCAATCGTGGTATCACCCAGGACAGCATTGAGGAGGCCAGGCAGTCCAGAGCTG
 TGCATGCTGAATGACCTCCAGAACCTCCTGCATGCTGGGGCCAACCTCAATGACCCTTTGGATCATGGGG
 CCACTCTGCTGCACATCGCTGCTGCTAATGGGTTCAAGTGAAGTGGCTACCTGCTACTGGAGCAAGGAGC
 TAGCCTGAGCGCTAAGGACCATGATGGCTGGGAGCCTCTGCATGCTGCAGCTTACTGGGGCCAGGTACAC
 CTGGTAGAATTGCTTGTGGCACATGGGGCTGATCTGAATGGAAAATCTCTGGTGGACGAGACACCCCTTG
 ATGTGTGTGGTGAAGGAGGTACGAGCCAACTGCTGGAGCTCAAGCACAAACAGGATGCACTCCTGCG
 TGCCAGGGCCGCGCAGCCTCCCTGTGCGCCGCCACCTCTAGTGCAGGCAGCCGCGGAAGTGGTG
 AGGCGAGTGAGCCTGACACATCGCACCACTGTATCGCAAGGAGCATGCCCAAGAGGCCATTGTGTGGC
 AACAGCCACCAGTCACCAGTCCAGAACCTCTCGAGGATGAGGACAGGCAGACAGATGCTGAATCCGGCT
 GCAGCCCCAGAGGATGACAGCCCTGAGGTGGCCAGACCACACAATGGCCAAGTAGGGGCACCCCAAGGG
 AGACACCTGTACTCCAAGCGTCTAGATCGGAGTGTGCTCTATCATCTGAGTCTGAGGAGAGCTGTTCCC
 CTGATGCCCTCATCCGGGACAAGGCTCACCACACGCTGGCAGAGCTTAAACGGCAGCGAGCAGCTGCGAA
 GCTTCAGCGCCCTGCCCTGAAGGGCCGGGACCTGTGAGCCTGGCCTGTCTGTGACACCCGAGACTTCC
 CAGCCTGAGTGTGGCTTCAAGCAAGTGGAGACCCACCCCTGCTCAAGCTCACTGCCCTCGGAGGAGG
 CGTCTGTGGAGAAGAGGCCATGCTGTTTGTCTATG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR211730 representing NM_001130566
 Red=Cloning site Green=Tags(s)

MAEHLELLAEMPMVGRMSTQERLKHAKRRAQQVMWAQAEKEAHGNKKGHGERPRKEVAGLKPQKQVHF
 PPSIALLEAAARNDL EEVRQFL TSGVSPNL ANEDGL TALHQCCIDDFQEMVQQLLEAGADVNARDSECWT
 PLHAAATCGHLHLVELLISRADLLAVNTDGNMPYDLCEDEQTL DYLETAMANRGITQDSIEEARAVPEL
 CMLNDLQNL LHAGANLNDPLDHGATLLHIAAANGFSEVATLLLEQGASLSAKDHDGWEPLHAAAYWGQVH
 LVELLVAHGADLNGKSLVDETPLDVCGDEEVRAKLELKHQDALLRAQGRQSRLLRRRTSSAGSRGKVV
 RRVSLTHRTNL YRKEHAQEAI VWQPPVTSPEPLEDEDRQTDAELRLQPPEDDSPEVARPHNGQVGAPPG
 RHLYSKRLDRSVSYHLSPEESCPDALIRDKAHTLAELKRQRAAAKLQRPAPGPGTCEPGLSVDTETS
 QPECGFSTSGDPPLLKLTAPSEEASVEKRPCCLLM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

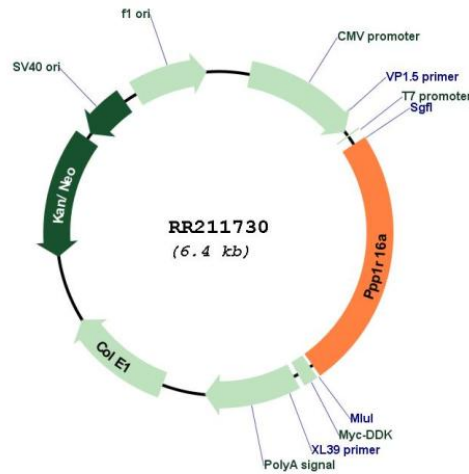
Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



- ACCN:** NM_001130566
- ORF Size:** 1575 bp
- 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:

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_001130566.1](#), [NP_001124038.1](#)

RefSeq Size: 2628 bp

RefSeq ORF: 1578 bp

Locus ID: 362944

Cytogenetics: 7q34

MW: 57.8 kDa