

Product datasheet for **RR216926**

Ppp1r16b (NM_001191072) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ppp1r16b (NM_001191072) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ppp1r16b
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RR216926 representing NM_001191072
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC

ATGGCCAGCCACGTGGACCTGCTCACAGAGCTGCAGCTGCTGGAGAAGGTCCTACACTGGAGCGCCTGC
 GCGCAGCCAGAAGCGCCGGCTCAGCAGCTGAAGAAGTGGGCACAGTATGAGCAGGACCTGCTTACATCG
 CAAGCGCAAGCATGAGCGGAAGCGTAGCACCGGTGGACGTCGCAAGAAGGTGCTTTCGAGGCCAGTGTA
 GCGTTGCTGGAGGCCTCACTGAGGAATGACGCTGAAGAAGTACGATACTTCTGAAGAACAAGGTGACGCC
 CTGATTTGTGTAATGAGGATGGGCTCACAGCCTTGACACAGTGCATTGACAACCTCGAAGAGATTGT
 GAAACTGTTGCTCTCCATGGTCAAACGTGAACGCCAAGGACAACGAGTTGGACACCCTTGACGCT
 GCAGCCACCTGCGGCCACATCAACCTAGTGAAGATCCTCGTTCAGTATGGGGCTGACTTGCTTGTGTCA
 ACTCTGATGGGAACATGCCCTATGACCTCTGCGAGGATGAACCCACCCTGGATGCATCGAGACCTGCAT
 GCGGTACCAAGGCATCACCCAGGAGAAAATCAATGAGATGCGAGCAGCTCCTGAGCAGAAGATGATTTTCG
 GACATCCACTGCATGATAGCAGCCGGCCAGGATCTCGACTGGATAGATGGCCAGGGTGCCACACTGCTAC
 ACATAGCTGGAGCCAATGGATACCTGCGGGCAGCCGAGCTCCTCCTGGACCACGGAGTGCCTGTGGACGT
 CAAGGATTGGGATGGCTGGGAGCCTCTGCATGCAGCAGCCTTCTGGGGACAGATGCCAATGGCAGAGCTC
 TTGGTGTCCCATGGAGCTAGTCTCAGTGCAGGACATCCATGGATGAGATGCCAATAGACTTGTGTGAGG
 AGGAGGAATCAAAGTCTGTGTTGGAGCTTAAACACAAGCATGATGTAATCATGAAGTCCCAGCTGAG
 ACACAAGTCATCCCTGAGCCGGAGGACATCCAGTGCAGGCAGCCGTGGGAAGGTGGTGCCTGAGCCAGC
 CTGTGAGACAACCAACCTATAACCGAAAGAATGAAGGAGAGGCCATCTTGTGGCAGCAGCGGAGTG
 CAGCTGAGGAACAGCGTACTTCCACCTACAACGGAGACATCAGGGAGACCAGGACAGCCAGGAAACAA
 GGACCCGAACCCAGGCTGGAGAAGGCCGTGCTGCTTTTCAGAATTCTCTACCAAGATCTCCCGGGGAGAA
 CTGGATGGGCTGTGGAGAATGGCTCCGGGCTCCTGTGACACCTACCAGTATGCGCTGGCCAACGGGG
 ACATATGGAAGATGCACGAGATACCTGACTACAGCATGGCCTATGGCAACCCCGCATGGCTGATGTCCC
 CCCACCCTGGAGCGGCTTCAAAGAGCAGAGCCCCAGACGCTCCTGGAGCTGAAGAGGCAGAGGGCCGCA
 GCCAAGTTGCTCAGCCACCCGTTCTTAAGCACCCACCTGGGCAGCAGTGTGGCCAGGTCGGGGGAGGGCA
 GCAGCGAAGGCAAGGCCCTTGTATCGGAGGCAGAATCCCCCTACAGCAGCAACGGGACCTCGGTGTA
 TTATACGGTCACCAGCGGAGATCCCCGCTCTTGAAGTCAAGGCCCCCATGGAGGAGATGGAGGAGAAA
 GTTCACGGCTGCTGCCGATCTCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR216926 representing NM_001191072
 Red=Cloning site Green=Tags(s)

MASHVDLLTELQLEKVPPTLERLRAAQKRRRAQQLKKAQYEQDLLHRKRKHERKRSTGRRRKKVSFEASV
 ALLEASLRNDAEEVRYFLKNKVSFDLNCNEDGLTALHQCCIDNFEEIVKLLLSHGANNVNAKDNEIWLPLHA
 AATCGHINLVKILVQYGADLLAVNSDGNMPYDLCEDEPTLDVIETCMAYQGITTQEKINEMRAAPEQKMIS
 DIHCMIAAGQDLWDIDGQATLLHIAGANGYLRAAELLLDHGVRVDVKDWDGWEPLHAAAFWQMPMAEL
 LVSHGASLSARTSMDEMPIDLCEEEEFKVLLELKHKHDVIMKSQLRHKSSLRRTSSAGSRGKVVRRAS
 LSDRTNLYRKEYEGEAILWQQRSAEEQRTSTYNGDIRETRTDQENKDPNPRLEKPVLLSEFSTKISRGE
 LDGPVENGLRAPVSTYQYALANGDIWKMHEIPDYSMAYGNPMDVPPVWSGFKEQSPQTLELKRQRAA
 AKLLSHPFLSTHLGSSVARSSEGSSEKAPLIGGRTSPYSSNGTSVYYTTSVSDPPLLLKFKAPMEEMEEK
 VHGCCRIS

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001191072

ORF Size: 1704 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_001191072.1](#), [NP_001178001.1](#)

RefSeq Size: 1886 bp

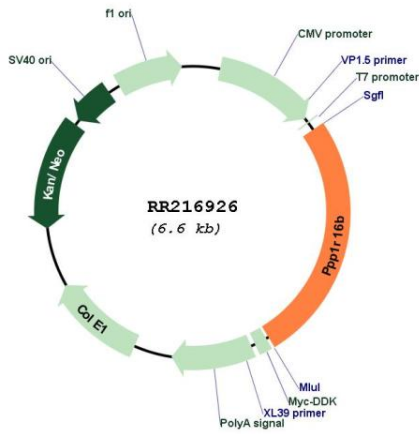
RefSeq ORF: 1707 bp

Locus ID: 680616

Cytogenetics: 3q42

MW: 63.6 kDa

Product images:



Circular map for RR216926