

## Product datasheet for **RR214180**

### PPP1R15A (NM\_133546) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PPP1R15A (NM_133546) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PPP1R15A
Synonyms:	Gadd34; Myd116; Peg-3; RGD1624209
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RR214180 representing NM\_133546  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCCGCATCGCC

ATGGCCCCAAGCCCAAGACCCAGCATGTCCTGCACTGGAAGGAAGCCACTCTTCTACCTCCTGTCTC  
 CACTGATGGGCTTCCTCAGCCGGCCTGGAGCCGCTGAGGGGGCCAGGTCTCAGAGGCTGGTTGGC  
 AGAAACAGTAGCAGGAGCAAACAGATAGAGGCTGATGCTCTGTTGACGCCTCCCCGGTCTCTGAAAT  
 CACCTACCTCTCCGAGAGACTGAAGGAAATGGAACCTCTGAATGGAGTAAAGCAGCCAGAGGCTCTGCC  
 TTGATGTGGAAGCCAAAGTTCCCTCCTAAAACCTGGGGACTTTCAGATATTGATGAACATAATGGGAA  
 GCCAGGACAAGATGGCCTTAGAGAGCAAGAAGTGGAGCACACAGCTGGCCTGCCTACACTACAGCCCTT  
 CACCTGCAAGGGCAGATAAGAAAGTTGGGGAGGTGGTGGCTAGAGAAGAGGGTGTGTCCGAGCTGGCTT  
 ATCCCACATCACACTGGGAGGGTGGTCCAGCTGAGGATGAAGAGGATACAGAAACCGTGAAGAAGGCTCA  
 CCAGGCCCTCTGCTGCTTCCATAGCTCCAGGATATAAACCCAGCACTTCTGTGATTGCCAGGGGAGGCA  
 GAACATCGAGCCACGGAGGAAAAAGGAACAGACAATAAGGCTGAACCCCTCAGGCTCCCACTCCAGAGTCT  
 GGGAGTACCACACTAGAGAGAGGCTAAGCAGGAGGGAGAACTAAGCCAGAGCAACACAGGGCAGGGCA  
 GAGTACCCTTGTGAGAAATGCAGAGGCTGAGGAAGGAGGACCTGAGACTTCTGTCTGTTCTGGCAGTGCC  
 TTCCTGAAGGCCTGGGTGTATCGCCAGGAGAGGACACAGAGGAGGAAGAAGACAGTGATTTGGATTGAG  
 CTGAGGAAGACACAGCTCATACCTGTACCACCCCCATACAAGTGCCTTCTGAAGGCCTGGGTCTATCG  
 CCCAGGAGAGGACACAGAAGAGGAAGATGACGGTGATTGGGATTGAGTGAAGACACAGCTCAGAGC  
 TGTACCACCCCCATACAAGTGCCTTCTGAAGGCCTGGGTCTATCGCCAGGAGAGGACACAGAAGAGG  
 AAGACACAGTGAAGATGTGGCCCAAGTGACTCAGAAACAGTACTTGGCAGAGTACCCAGCATTG  
 TCTACCAGTAGAGAAGACCAAGGGATGTGGAGAAGCAGAGCCCTCCCTTCCAGGTGGCCTTCTATTTA  
 CCTGGACAGAAGCCAGCACACCTTGGGCTGCCCTAAGCTGCCCTTCCACTGCAGAAGCGGCTCAGAT  
 CTTTCAAAGCCCCCGCCGGAATCAGGACCCTGAGATTCTCTGAAGGGTAGAAAGGTGCACTTCTCTGA  
 GAAAGTTACAGTCCATTTCTTGTCTGTGGGACGACCAGCCAGGCTGCTCGTGCAGGGCCCTGGGAG  
 CAGTTTGCACGAGATCGAAGCCGCTTGTCTGACGCATTGCCAGGACAGGAGCAGCTGGGTCTTACC  
 TTACCCTGCTTTCAGGGCCAGAGCATGGACACGCCTTAGAAACCTACCCCTTCTCTGCTGCTCCTGCT  
 TCTTCCACTGCCTGAGCCTTGTCTTCCACTGAGGCCACACCCCTCAGCCAAGATGTGACCCTCCCTCT  
 CCCCTTCCAGTGAATCCCTCCTCCAGCCTGGACTTGGGAGGAAGCGGGGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR214180 representing NM\_133546  
 Red=Cloning site Green=Tags(s)

MAPSPRPQHVLHWKEAHSFYLLSPLMGFLSRAWSRLRGPEVSEAWLAETVAGANQIEADALLTPPPVSEN  
 HLPLRETEGNGTPEWSKAAQRLCLDVEAQSSPPKRWGLSDIDEHNGKPGQDGLREQEVEHTAGLPTLQPL  
 HLQGADKKVGEVVAREEGVSELAYPTSHWEGGPAEDEEDTETVKKAHQASAASIAPGYKPSTSVYCPGEA  
 EHRATEEKGTDNKAEPGSHSRVWEYHTRERPKQEGETKPEQHRAGQSHPCQNAEAEEGGPETSVCSSA  
 FLKAWVYRPGEDTEEEEDSDLSAEEDTAHTCTTPHTSAFLKAWVYRPGEDTEEEEDDGDWDSAEEDTAQS  
 CTTTPHTSAFLKAWVYRPGEDTEEEEDSENVAPVDSETVDSCQSTQHCLPVEKTKGCGEAEPPPFQVAFYL  
 PGQKPAPPWAAPKLPLRLQKRLRSFKAPARNQDPEIPLKGRKVHFSEKVTVHFLAVWAGPAQAARRGPWE  
 QFARDRSRFARRIAQAEELGPYLTPAFRARAWTRLRNLPLPLSSSLPLPEPCSSTEATPLSQDVTTPS  
 PLPSEIPPPSLDLGGRRG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

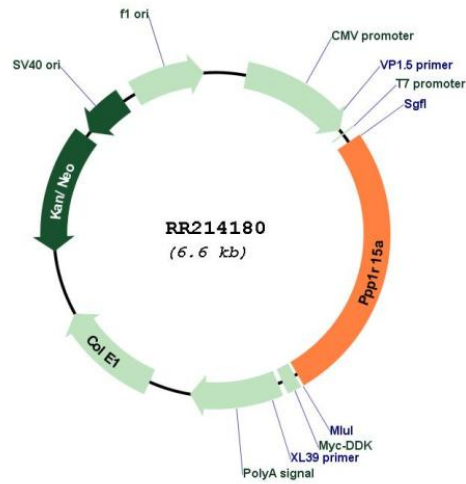
**Restriction Sites:**

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_133546  
 ORF Size: 1734 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_133546.3</a> , <a href="#">NP_598230.2</a>
<b>RefSeq Size:</b>	2051 bp
<b>RefSeq ORF:</b>	1737 bp
<b>Locus ID:</b>	171071
<b>UniProt ID:</b>	<a href="#">Q6IN02</a>
<b>Cytogenetics:</b>	1q22
<b>MW:</b>	63.6 kDa
<b>Gene Summary:</b>	displays increased expression during progression of transformation and in response to DNA damaging agents [RGD, Feb 2006]