

## Product datasheet for **MR220814**

### PPP2R3A (NM\_172144) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PPP2R3A (NM_172144) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PPP2R3A
Synonyms:	3222402P14Rik; A730042E07
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>MR220814 representing NM\_172144  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGATGATCAAGGAAACGTCCTTGCAGGACCGGATTTAAGGGGAGAGTTAGCTTTCCTAGCAAGGG  
 GCTGCGATTTTGTCTCCATCACGGTTTAAGAAGAGGCTGAAGTCATTTAGCAGACACAGATTCAAAA  
 TAAACCAGAAAAGAAACCTGCAACATCATTCCACCTGCAGCCACCCTTCCAAGTAGTCCCGAGCCGGCC  
 TCCCTGTTCTTGTGTGAGTGTGCTGGAATACACCGTTGTCCATAAACATTCCACAGTTCTATTTC  
 CTGAAGGACTCCAGACACCTGCAGTAACCATGAACAGATCCTAAGCAGAATTGAAACTGCTTCAAGGA  
 TATTGAAGATCAGAAAGCAGATATTGATGAAATGGGGAGAATTGCAAAGGTCTGTGGCTGCCACTCTAT  
 TGGAAAGCCCCATGTTCAAGGCTGCAGGAGGAGAGAAGACTGGATTTGTGACAGCACAGTCATTCATTG  
 CCATGTGAAAAAGTTGCTAAGTAACCGTCATGACGATGCTGCCAAGTTCATCTGGCTTCTGGCAAAGCC  
 CAGCTGCAGCTATCTAGAACAAGAGGATTTTATCCCTTTACTTCAGGATGTGGTAGATACCCACCCTGGC  
 CTCACCTTCTGAAAGATGCTCCAGAATCCATTCCTCCGCTACATCACCACGGTTGTTAGAGAATATTCT  
 ACACAGTCAACAGATCTTGGAGTGGAAAAATTACTTCAACAGAGATAAGAAAAAGCAACTTTTTGCAAAAC  
 TCTGGCCCTTTTGGAGGAAGAGGAAGATATAAACCAATCACAGATTACTTCTCTATGAACATTCTAT  
 GTCATTTATTGTAATTCGGGAAGTAGATGGTATCATGACTTGTACATCAGTCAAGCTGATCTGTCTC  
 GATACAATGACCAGGCTTCATCAATAGAATATTGAAAGAATATTTTCTGGAGCAGTAAACAGAGGAAA  
 AACTGTACAAAAAGAGGGAAGATGAGCTATGCAGATTTGTTTGGTTTTGATTTCTGAGGAAGACAAA  
 CGGAACCTACCAGCATTGAGTACTGGTCCGCTGCATGGATGGATGGAGATGGCATACTTCCATGT  
 ATGAAGTACTTCTATGAAGAGCAGTGTGAACGGATGGAAGCCATGGCATTGGCCCTTGGCCGTT  
 CCATGATCTGTTGTGCCAGATGCTTACTTGGTGAAGCCAGCTAGTGATGGCAGAATAAATCTGCGCGAT  
 CTGAAGAGGTGCAGAATGGCCACATCTTCTACGACACTTTCTTAACTGGAGAATACTTGGACCATG  
 AACAAAGAGATCCTTTTGCAGTCCAGAAGGATGTTGAAAATGATGGCCCTGAGCCATCTGACTGGGACAG  
 ATTTGCGGCTGAGGAGTACGAGGCTCTCGTAAGTACTGAGGAGTCTGCCAGGTTGAGCTCCAAGAAGGCTCA  
 TTTGAAGACTATGAATCAGATGAACCTGTATCTCCCTCTGAAGTGGAAACAAGGCAATAAAATAGTAA  
 CTTCAAGCCTTTCAGAGAATGTGGAAGCTTCAGTCAGTGGATGAAGAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR220814 representing NM\_172144  
 Red=Cloning site Green=Tags(s)

MMIKETSLRRDPDLRGLAFLARGCDFVLPFRFKKRLKSFQQTQIQNKPEKKPATSFPPAATLPSSPQPA  
 SPVPCVSDVVNTPLSINIPQFYFPEGLPDTCSNHEQILSRIETAFKDIEDQKADIHEMGRIAKVCGPLY  
 WKAPMFRAAGGEKTFVTAQSFIAMWKKLLSNRHDDAAKFIWLLAKPSCSYLEQEDFIPLLDVVDTHPG  
 LTFLLKDAPEFHRYITTVVQRIFYTVNRSWSGKITSTEIRKSNFLQTLALLEEEEEINQITDYFSYEHFY  
 VIYCKFWELDGDHDLYSISQADLSRYNDQASSNRIIERIFSGAVTRGKTQKEGRMSYADFVWFLISEEDK  
 RNPTSIEYWFRMDVDGDGILSMYELEYFYEEQCERMEAMGIEPLPFHDLLCQMLDLVKPASDGRITLRD  
 LKRCRMAHIFYDTFFNLEKYLDEQRDPFAVQKDVENDGPEPSDWRFAAEEYEALVTEESAQVQLQEGS  
 FEDYESDEPVSPSELGNKGNKIVTSSLSEKCGKLQSVDEE

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

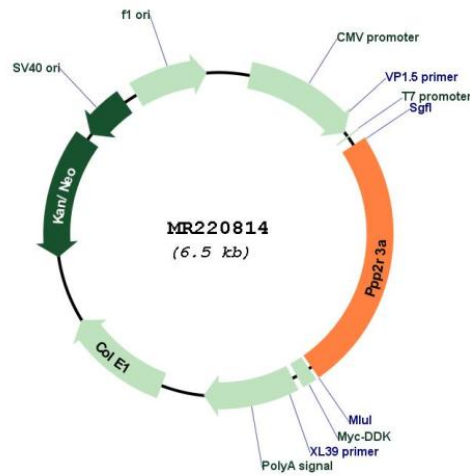
## Cloning Scheme:

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

## Plasmid Map:



<b>ACCN:</b>	NM_172144
<b>ORF Size:</b>	1590 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_172144.3</a> , <a href="#">NP_742156.2</a>
<b>RefSeq Size:</b>	4778 bp
<b>RefSeq ORF:</b>	1593 bp
<b>Locus ID:</b>	235542
<b>Cytogenetics:</b>	9 E4
<b>MW:</b>	61.6 kDa