

## Product datasheet for **RR214140**

### Ptpa (NM\_001108577) Rat Tagged ORF Clone

#### Product data:

Product Type: Expression Plasmids  
 Product Name: Ptpa (NM\_001108577) Rat Tagged ORF Clone  
 Tag: Myc-DDK  
 Symbol: Ptpa  
 Synonyms: Ppp2r4  
 Vector: pCMV6-Entry (PS100001)  
 E. coli Selection: Kanamycin (25 ug/mL)  
 Cell Selection: Neomycin  
 ORF Nucleotide Sequence: >RR214140 representing NM\_001108577  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGCCGAGGGCGAGCGGCAGCCGCCAGATTCTTCAGAAGAGACCCCTTCAGCTACTCCGACCTTCA  
 TCATTCCAAAAAGGAGATCCACACAGTCCCAGATATGGGCAATGGAAGCGCTCTCAGGCATATGCTGA  
 CTACATCGGCTTTATCCTAACCTGAATGAAGGTGTAAAGGGAAGAAGCTAACCTTCGACTACAAAGTC  
 TCTGAGGCCATTGAGAAGCTGGTGGCACTTCTTGATACGCTGGATAGGTGGATTGATGAAACCCCGCCAG  
 TGGACCAGCCTTCCCGATTTGGGAACAAAGCCTACAGGACCTGGTATGCCAAACTCGATCAGGAAGCAGA  
 AAATTGGTGGCTACAGTGATCCCCACCAACCTGGCTGCTGTGCCTGAAAGTGGCAGTTTACCTGAAG  
 GAGGCTGTGGGAACTCCACACGCATTGACTATGGCACAGGGCATGAGGCTGCCTTTGCTGCTTTCCTCT  
 GTTGTCTCTGCAAGATTGGTGTACTCCGGTGGACGACCAGGTGGCTATTGTCTCAAGGTGTTGATAG  
 GTATCTTGAGGTTATGCGGAAGTTGCAGAAGACATACAGGATGGAGCCTGCGGGCAGCCAGGGCGTGG  
 GGCTGGATGACTCCAGTTCCTGCCCTCATCTGGGGCAGCTCCAGCTCATAGACCACCCCACTGG  
 AGCCAGACATTTGTGGACGAGAAGCGGTGAGCGAAAACCAAGGACTACATGTTCCCTCCAGTGCT  
 CCTGTTTCATACCGAGATGAAGACCGGCCCTTTGCAGAGCACTCAACCAAGCTGTGGAACATCAGTGCT  
 GTCCCGTCTGGTCTAAAGTGAACCAGGGCCTCATTTCGATGTATAAGGGGAGTGCCTGGAGAAGTTCC  
 CTGTGATCCAGCACTTCAAGTTCGGGAGCCTGCTGCCATCCATCCGGTACATCAGGC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR214140 representing NM\_001108577  
 Red=Cloning site Green=Tags(s)

MAEGERQPPDSSEETPSATPTFIIPKKEIHTVPMGKWKRSQAYADYIGFILTLNEGKVKKGLTFDYKV  
 SEATIEKLVALDLDRWIDETPPVDQPSRFGNKAYRTWYAKLDQEAENLVATVIPTNLAAAVPEVAVYLK  
 EAVGNSTRIDYGTGHEAFAAFLCCLCKIGVLRVDDQVAIVFKVFDRYLEVMRKLQKTYRMEPAGSQGVW  
 GLDDFQFLPFIWGSSQLIDHPHLEPRHFVDEKAVSENHKDYMLQCILFITEMKTGPF AEHSNQLWNISA  
 VPSWSKVNQGLIRMYKAECKLEKFPVIQHFKFGSLLPIHPVTSG

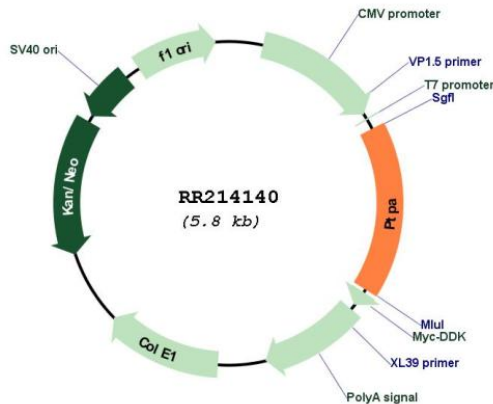
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001108577

**ORF Size:** 969 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_001108577.2</a> , <a href="#">NP_001102047.1</a>
<b>RefSeq Size:</b>	2479 bp
<b>RefSeq ORF:</b>	972 bp
<b>Locus ID:</b>	362102
<b>Cytogenetics:</b>	3p12
<b>MW:</b>	36.6 kDa