

## Product datasheet for **RR200951**

### **Ptpa (NM\_012763) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Ptpa (NM_012763) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ptpa
Synonyms:	LRP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide  
Sequence:

>RR200951 representing NM\_012763  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGATTCCTGGTTCATTCTTATCTGTGGCAGTGGTCTAATACACATTAGTGCCAACAACACTACTA  
 CAGTTTACCTTTCTTAGGAACTACAAGATTAATTAACAACATCAACAACAGAATCGGCTAAGGAAGAGAA  
 TAAAACCTCAAATTCAACCTCTTCAGTAATTTCTTTCTGTGACACCAACATTCAGCCAAATCTAACT  
 CTGGAACCCACCTATGTGACTACTGTTAATTCTTACACTCTGACAATGGGACCAAGAGAGCAGCCAGCA  
 CGGAATCTGGAGGCACTACCATTTCACCAACGGAACATACGGAACATGGCTTACTGATAACCAAGTTTAC  
 GGATGCCAGAACAGAACCCTGGGAGGGGAATCCAGCACTGCAGCAACCACTCCAGAAACCTTCCCCCT  
 GCAGATGAGACACCAATCATTGCGGTGATGGTGGCCCTGTCTCTGCTAGTAATTGTGTTTATTATTA  
 TAGTTCTGTACATGTTAAGTTTAAAGAAACAAGCAAGCTGGGAGCCATTCCAATTCTTCCGCTGTC  
 AAATGGCCGCACAGAGGATGTGGAGCCCAAGTGTACCACTTCTGGCCAGGTCCCGAGCACAACAGG  
 AAGTTCCACCACTGCCTGTGGACAAGCTGGAAGAGGAGATTAACCGGAGAATGGCTGATGACAATAAGC  
 TCTTCAGAGAGGAATTAACGCCCTCCCTGCCTGTCCAATCCAGGCCACCTGTGAGGCTGCCTCCAGGA  
 AGAAAAACAAGGAAAAAACCGATATGTAACATCCTGCCTTATGACCACTCCAGAGTGCACCTGACGCCCT  
 GTGGAAGGGGTTCCAGATTCTGATTACATCAACGCCTCATTATTAATGGCTACCAGGAAAAAGAACAAAT  
 TCATTGCTGCACAAGGACCAAAAGAAGAACCGTGAATGATTTCTGGAGAATGATATGGGAACAGAACAC  
 AGCCACCATTTGCATGGTGACCAACCTGAAGGAGAGAAAGGAGTGAATGTGCCAGTATTGGCCAGAC  
 CAAGGCTGCTGGACCTATGGGAATGTCCGTGTCTGTCTGAGGATGTGACTGTTCTGGTGGACTACACAG  
 TACGGAAATCTGCATCCAGCAGGTGGGCGAGTCAACAACAGGAAGCCACAGCGCTCATCACTCAGTT  
 CCATTTACCAGCTGGCCAGACTTTGGGTGCCTTTTACCCTAATGGCATGCTCAAGTTCTCAAGAAAG  
 GTGAAAGCCTGTAAACCTCAGTATGCAGGGCTATCGTGGTCCACTGCAGTGCAGGTGTAGGGCGCACTG  
 GCACCTTTGTTGTCATCGATGCCATGCTGGACATGATGCATTCCGAGCGCAAAGTGGATGTATATGGGTT  
 TGTGAGCCGGATCCGGGCCAGCGCTGCCAGATGGTCCAGACAGACATGCAGTACGTCTTCATATACCAG  
 GCCCTTCTGGAGCATTATCTATATGGCGACACAGAGCTGGAAGTACTTCCCTAGACACCCACCTGCAAA  
 AAATTTATAACAAGATCCAGGAACTAGCAACAATGGACTAGAGGAGGAATTTAAGAAATTAACCTCAAT  
 CAAAATCCAAAATGACAAGATGCGTACGGGAACTTCCAGCCAACATGAAGAAGAACCGAGTTTACAG  
 ATCATTCCATATGAATTTAACAGAGTGATCATTCCAGTCAAACGGGGCGAAGAGAACACAGACTATGTGA  
 ACGCATCCTTCATTGATGGCTACCGGCAGAAAGATTCTACATCGCCAGCCAGGGCCCTTCTCCACAC  
 AATTGAGGACTTCTGGCAATGATCTGGGAATGGAAGTCTGCTCCATTGTAATGCTAACAGAATGGAA  
 GAAAGAGGCCAGGAGAAGTGTGCCAGTACTGGCCATCTGATGGCCTGGTGTCTATGGAGACATCACAG  
 TTGAGCTGAAGAAGGAGGAGGAATGTGAGAGCTACACTGTCCGAGACCTCCTGGTCAACAACACAGGGA  
 GAACAAGAGTCGGCAGATCCGGCAGTCCACTTCCACGGCTGGCTGAGGTGGGCATCCCCAGCGATGGG  
 AAGGGTATGATCAACATCATTGCAGCAGTGCAGAAGCAGCAGCAGTCAAGGAAACATCCCATCACTG  
 TGCAGTGCAGTCCGGGGCAGGACGGACAGGGACCTTTTGTGCCTTGAGCACAGTCTGGAGCGCGTGAA  
 AGCAGAAGGAATTTGGATGTCTTCAAACCTGTCAAGAGCCTGCCGCTGCAGAGGCCACACATGGTCCAG  
 AACTGGAACAGTATGAATTCGTCTACAAGTGGTACAGGAGTACATCGATGCCTTCTCAGATTATGCCA  
 ACTTCAAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR200951 representing NM\_012763  
 Red=Cloning site Green=Tags(s)

MDSWFILILFGSGLIHISANNTTTSVPSLGTTRLIKTSTTESAKEENKTSNSTSSVISLSVTPTTFSPNLT  
 LEPTYVTTVNSSHSDNGTKRAASTESGGTTISPNGTYGTWLDNQFTDARTEPWEGNSSTAATTPETFPF  
 ADETPIIAVMVALSSLLVIVFIIIVLYMLRFKYYKQAGSHSNFRLSNGRTEDVEPQSVPLLARSPTNR  
 KFPPLPVDKLEEEINRRMADDNKLFREEFNALPACPIQATCEAASKEENKEKNRYVNILPYDHSRVHLTP  
 VEGVPDSYINASFINGYQEKNFIAAQGPKEETVNDFWRMIWEQNTATIVMVTNLKERKECKCAQYWP  
 QGCWTYGNVRVSVEDVTVLVDYTVRKFCIQQVGDVTNRKPQRLITQFHFTSWPDFGVPFTPIGMLKFLK  
 VKACNPQYAGAIVVHCSAGVGRGTGFVVIDAMLDMMHSERKVDVYGFVSRIRARQRCQMVTDMQYVFIYQ  
 ALLEHYLYGDTELEVTSLDTHLQKIYNKIPGTSNNGLEEEFKKLSIKIQNDKMRTGNL PANMKNRVLQ  
 IIPYEFNRVVIIPVKRGEENTDYVNASFIDGYRQKDSYIASQGPLLHTIEDFWRMIWEWKSCSIVMLTELE  
 ERGQEKCAQYWP SDGLVSYGDITVELKKEEECESYTVRDLLVTNTRENKSRQIRQFHFHGWPEVGIPSDG  
 KGMINI IAAVQKQQQSGNHPITVHCSAGAGRTGTF CALSTVLERVKAEGILDVFTVKSRLRQPHMVQ  
 TLEQYEFYKVVQEYIDAFSDYANFK

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-Mlul

Cloning Scheme:



ACCN: NM\_012763

ORF Size: 2388 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\\_012763.2](#), [NP\\_036895.2](#)

**RefSeq Size:** 2925 bp

**RefSeq ORF:** 2391 bp

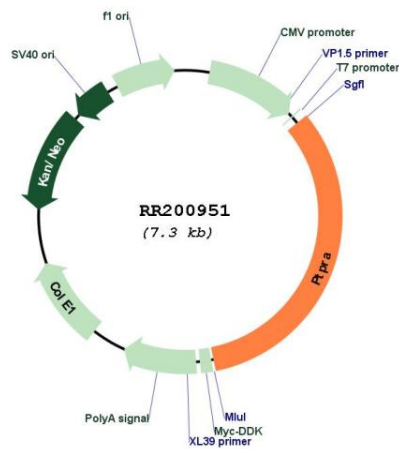
**Locus ID:** 25167

**Cytogenetics:** 3q36

**MW:** 90.2 kDa

**Gene Summary:** member of a family of receptor protein tyrosine phosphatases [RGD, Feb 2006]

**Product images:**



Circular map for RR200951