

## Product datasheet for **RR205159**

### **Ptpn9 (NM\_001013040) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Ptpn9 (NM_001013040) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ptpn9
Synonyms:	Meg2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RR205159 representing NM\_001013040  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGGAGCCGGCGACCCGCGCCCGCGGACATGGCGCCGGAGCTGACCCCGAGGAGGAGCAGGCTACCA  
 AGCAGTTTCTTGAAGAGATCAACAAGTGGACAGTACAGTATAATGTTTCTCCTCTTTCTTGAACGTGGC  
 TGCAAGTTCTCATGGCCAGAAAGTTTGTGTCTCCGTGCTGTAGAGCTGTTTCACTGCTACAGAGAA  
 ACAAGACGGAAGGAAGGCATTGTGAAGCTGAAGCCTCATGAGGAGCCGCTCCGTTCTGAGATCCTCAGCG  
 GGAAGTTCACCATCTTGAATGTTGAGACCCAAGTGGAGCCTCCATTGCCCTTTTCACTGCCAGGTTACA  
 CCATCCCCACAAGTCTGTCCAACATGTGGTACTCCAAGCCTGTTTTACCTGCTAGACAGAGCTGTGGAC  
 AGTTTTGAAACTCAAAGGAATGGACTGGTGTTCATCTATGATATGTGTGGGTCTAATTATGCCAAGTTG  
 AGCTAGATCTCGCAAGAAAGTCTTAAACCTGCTGAAGGGAGCATTTCAGCTCGACTGAAGAAGGTGCT  
 GATTGTAGGAGCACCATATGGTCCGAGTGCCCTATTCTATCATCAGCCTGCTCTTGAAGGATAAAGTC  
 CGGAGAGGATTAGATATTAAGACATCTGAAGTTACCCAGCACCTGCCGAGGGAATGCCCTCCCGAAA  
 ATCTGGGTGGGTACATCAAATTGACCTCGCCACTTGGAAATTCAGTTCCTGCCCAAGTGAACGGCCA  
 TCCAGATCCCTTCGATGAGATCATCCTGTTTTCCCTACCTCCTGCCTTAGACTGGGACTCAGTACATGTT  
 CCAGGTCTCATGCCATGACCATCCAAGAGTTGGTAGACTATGTTAACACCAGGCAAAAGCAGGGCATCT  
 ATGAGGAGTATGAAGACATTCGTCGTGAGAACCCTGTTGGCAGTTTCCACTGTTCTATGTCTCCAGGAAA  
 CCTAGAGAAAAACAGATATGGAGATGTACCCTGCCTGGACCAACACGTGTGAAGCTGACAAAACGAAGT  
 GGTACACTCAGACAGATTACATCAATGCCAGTTTCATGGATGGCTACAAGCAGAAGAATGCTTACATTG  
 GTACACAAGTCTTTGGAGAACACCTATCGTGACTTCTGGCTCATGGTTTGGGAGCAAAAAGTTTGGT  
 GATTGTCATGACCACCCGCTTTGAGGAAGCGCGCAGGAGAAAATGTGGCCAGTACTGGCCTTTAGAAAA  
 GACTCCCGGATCCAATTTGGCTTCTCACGGTACTAATCTAGGAGTGGAGAACATGAACCATTATAAGA  
 AAACAACCTAGAAAATCACAACACAGAGGAGCGGCAGAAAACGCCAGGTAACCCACTTCCAGTTCCTAAG  
 CTGGCCAGACTATGGTGTCCCTTCTCAGCTGCTTCCCTCATTGACTTCTGAGAGTGGTGAAGCCAG  
 CAGAGCATGGCCGTAGGCAGCCTGGGAGCAGCTCCAAGGGCAGTGTCTGAGCCACCCATTGTGGTCC  
 ATTGCAGTGCCGGCATTGGCAGGACAGGTACCTTCTGCTCACTGGACATCTGCCTGGCACAGCTGGAGGA  
 GCTTGGCACCCCTAATGTGTTCCAGACAGTGTACGAATGAGGACCCAGAGGGCCTTCAATCCAGACC  
 CCTGAGCAGTACTACTTTTGTACAAGGCCATTCTGGAGTTTGCAGAGAGGGAAGGCATGGTTCCTCTG  
 GTCACAGCCTGTTGGCCATGGATGGTCAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR205159 representing NM\_001013040  
 Red=Cloning site Green=Tags(s)

MEPATAPRPDPAPELTPEEEQATKQFLEEINKWTVQYVNSPLSWNVAVKFLMARKFDVLRVELFHCVRE  
 TRRKEGIVKLPHEEPLRSEILSGKFTILNVRDPTGASIALFTARLHHPKSVQHVVQLALFYLLDRAVD  
 SFETQRNGLVFIYDMCGSNYANFELDLGKVLNLLKGAFPARLKKVLIVGAPIWFRVPYSIISLLKDKV  
 RERIQILKTSEVTQHLPRECLPENLGGYIKIDLATWNFQFLPQVNGHPDPFDEIILFSLPPALDWDVSVHV  
 PGPHAMTIQELVDYVNRQKQGIYEEYEDIRRENVPVGTFFHCSMSPGNLEKNRYGDVPCLDQTRVCLKTRS  
 GHTQTDYINASFMDGYKQKNAYIGTQGPLENTYRDFWLMVWEQKVLVIVMTTRFEEGRRKCGQYWPLEK  
 DSRIQFGFLTVTNLGVENMNHKKTTLEIHNTTEERQKRQVTHFQFLSWPDYGVPSAASLIDFLRVVRSQ  
 QSMVAVGSLGARSKGQCEPPIVHVCSAGIGRTGTFCSLDICALQLEELGTLNVFQTVSRMRTQRAFSIQT  
 PEQYYFCYKAILLEFAEREGMVPSGHSLLAMDGQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

Cloning Scheme:



ACCN: NM\_001013040

ORF Size: 1779 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\\_001013040.1](#), [NP\\_001013058.1](#)

RefSeq Size: 2089 bp

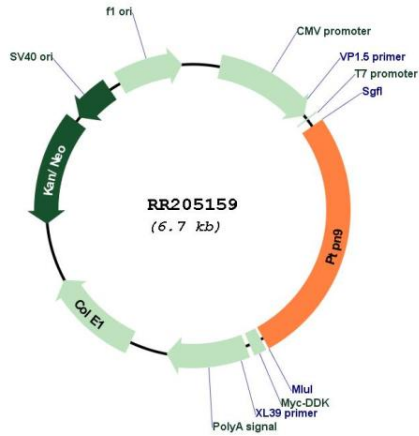
RefSeq ORF: 1782 bp

Locus ID: 266611

UniProt ID: [Q641Z2](#)

**Cytogenetics:** 8q24  
**MW:** 68 kDa  
**Gene Summary:** protein tyrosine phosphatase associated with secretory vesicle enlargement; may play a role in regulation of secretory vesicles in hematopoietic cells [RGD, Feb 2006]

**Product images:**



Circular map for RR205159