

## Product datasheet for **RN205159**

### **Ptpn9 (NM\_001013040) Rat Untagged Clone**

#### **Product data:**

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



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**Fully Sequenced ORF:** >RN205159 representing NM\_001013040  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGAGCCGGCGACCCGCCCCGGCCGGACATGGCCGGAGCTGACCCCGAGGAGGAGCAGGCTACCA  
 AGCAGTTTCTTGAAGAGATCAACAAGTGGACAGTACAGTATAATGTTTCTCCTCTTTCTTGAACGTGGC  
 TGCAAGTTCTCATGGCCAGAAAGTTTGTGTGCTCCGTGCTGTAGAGCTGTTTCACTGCTACAGAGAA  
 ACAAGACGGAAGGAAGGCATTGTGAAGCTGAAGCCTCATGAGGAGCCGCTCCGTTCTGAGATCCTCAGCG  
 GGAAGTTCACCATCTTGAATGTTGAGACCCAACCTGGAGCCTCCATTGCCCTTTTCACTGCCAGGTTACA  
 CCATCCCCACAAGTCTGTCCAACATGTGGTACTCCAAGCCTGTTTTACCTGCTAGACAGAGCTGTGGAC  
 AGTTTTGAAACTCAAAGGAATGGACTGGTGTTCATCTATGATATGTGTGGGTCTAATTATGCCAAGTTG  
 AGCTAGATCTCGCAAGAAAGTCTTAAACCTGCTGAAGGGAGCATTTCAGCTCGACTGAAGAAGGTGCT  
 GATTGTAGGAGCACCCATATGGTCCGAGTGCCCTATTCTATCATCAGCCTGCTCTTGAAGGATAAAGTC  
 CGGGAGAGGATTAGATATTAAGACATCTGAAGTTACCCAGCACCTGCCGAGGGAATGCCCTCCCGAAA  
 ATCTGGGTGGGTACATCAAATTGACCTCGCCACTTGGAAATTTCCAGTTCCTGCCCAAGTGAACGGCCA  
 TCCAGATCCCTTCGATGAGATCATCCTGTTTTCCCTACCTCCTGCCTTAGACTGGGACTCAGTACATGTT  
 CCAGGTCTCATGCCATGACCATCCAAGAGTTGGTAGACTATGTTAACACCAGGCAAAAGCAGGGCATCT  
 ATGAGGAGTATGAAGACATTCGTCGTGAGAACCCTGTTGGCACTTTCCACTGTTCTATGTCTCCAGGAAA  
 CCTAGAGAAAAACAGATATGGAGATGTACCCTGCCTGGACCAACACGTGTGAAGCTGACAAAACGAAGT  
 GGTACACTCAGACAGATTACATCAATGCCAGTTTCATGGATGGCTACAAGCAGAAGAATGCTTACATTG  
 GTACACAAGGTCCTTTGGAGAACACCTATCGTGACTTCTGGCTCATGGTTTGGGAGCAAAAAGTTTGGT  
 GATTGTGATGACCACCCGCTTTGAGGAAGCGGCAGGAGAAAATGTGGCCAGTACTGGCCTTTAGAAAAA  
 GACTCCCGGATCCAATTTGGCTTCTCACGGTACTAATCTAGGAGTGGAGAACATGAACCATTATAAGA  
 AAACAACCTAGAAAATCACAACACAGAGGAGCGGCAGAAAACGCCAGGTAACCCACTTCCAGTTCCTAAG  
 CTGGCCAGACTATGGTGTCCCTTCTCAGCTGCTTCCCTCATTGACTTCTGAGAGTGGTGAAGCCAG  
 CAGAGCATGGCCGTAGGCAGCCTGGGAGCAGCTCCAAAGGGCAGTGTCTGAGCCACCCATTGTGGTCC  
 ATTGCAGTGCCGGCATTGGCAGGACAGGTACCTTCTGCTCACTGGACATCTGCCTGGCACAGCTGGAGGA  
 GCTTGGCACCCCTAATGTGTTCCAGACAGTGTACGAATGAGGACCCAGAGGGCCTTCAATCCAGACC  
 CCTGAGCAGTACTACTTTTGTACAAGGCCATTCTGGAGTTTGCAGAGAGGGAAGGCATGGTTCCTCTG  
 GTCACAGCCTGTTGGCCATGGATGGTCAAT**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_001013040
- Insert Size:** 1782 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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

**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]