

## Product datasheet for **RR201155**

### **Ptpn18 (NM\_001013111) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Ptpn18 (NM_001013111) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ptpn18
Synonyms:	PTP20
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RR201155 representing NM\_001013111  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGAGTCGCCAATCGGACCTAGTGAGGAGCTTCTTGAGCAGCAGGAGGCCCGGGACCACCGGAAGGGG  
 CAATCCTCGCCCGTGAGTTCAGCGACATTAAGGCCGCTCAGTGGCTTGAAGACTGAAGGTGTGTGCTC  
 CACTAAAGCCGGCAGTCAGCAGGAAACTCAAAGAAGAACCCTACAAAGACGTGTACCGTATGATGAG  
 ACGAGAGTCATCCTTTCCCTGCTCCAGGAGGAAGGACACGGAGATTACATTAATGCCAACTTCATCCGGG  
 GCACAGATGGAAGCCAGGCTACATTGCGACGCAAGGACCCCTGCCTCACACTCTGTTGGACTTCTGGCG  
 CCTGGTTTGGGAGTTTGAATCAAGGTGATCTTGATGGCCTGTCAGGAGACAGAAATGGACGGAGGAAG  
 TGTGAACGCTACTGGGCCAGGAGCGGGAGCCTCTACAGGCCGGCCTTCTGCATCACCTGACAAAGG  
 AGACAGCACTGACTTCGGACATCACTCTCAGGACCTCCAGGTTACATTCAGAAGGAATCCCGTCTGT  
 GCACCAGCTACAGTACATGTCTTGCCCGACACGGGGTCCCAGCAGTCCGATCACATCTCACCATG  
 GTGGAGGAGGCCGTTGCCCTCAAGGACTTGGACTGGACCCCTCTGTGTCCACTGCAGTGTGGCTGTG  
 GACGAACAGGTGTCTTGTGTGCTTGTGATTACGTGAGGCAGTTGCTTCTGACTCAGACAATCCCACCCAA  
 TTTCAGCCTCTTTGAAGTGGTCTTGAGATGCGGAAACAGCGACCTGCAGCGGTGCAGACAGAGGAGCAG  
 TACAGGTTCTGTACCACACAGTGGCTCAGTATTCTCCCGCACTCTCCAGAACAACAGTCCCCTTACC  
 AGAACCTCAAGGAGAACCAGCGCTCAATCTGCAAGGACTCCTCGTCCCTCAGGACCTCCTCAGCCCTGCC  
 TGCCACATCCCGCCCACTGGGTGGCGTTCTCAGGAGCATCTCGGTGCCTGGGCCACCGACCTTCCCATG  
 GCTGACACTTACGCTGTGGTGCAGAAGCGTGGCGCTTCCGGCAGCACAGGGCCGGGACGCGGGCGCCCA  
 ACAGCAGGACACCCCGATCTACAGCCAGGTGGCTCCAGTATCCAGCGGCCCGTGCACACACCGAAAA  
 CGCGCAGGGGACAACGGCACTGGGCCGAGTTCCTGCGGATGAAAACCCCTCCGGGCTGATGCCTATGAG  
 GAAGTAACAGATGGAGCGCAGACTGGTGGCTAGGCTTCAACTTGCGCATTGGAAGACCTAAAGGGCCAC  
 GGGATCTCCAGCGGAGTGGACACGGGTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR201155 representing NM\_001013111  
 Red=Cloning site Green=Tags(s)

MSRQSDLVRSFLEQQEARDHRKGAILAREFSDIKARSVAWKTEGVCSTKAGSQGNSKKNRYKDVVPYDE  
 TRVILSLLQEEGHGDIYINANFIRGTDGSQAYIATQGPLPHTLLDFWRLVWVFGIKVILMACQETENGRK  
 CERYWAQEREPLQAGPFCITLTKETALTSITLRLQVTFQKESRPVHQLQYMSWPDHGVPSDDHILTM  
 VEEARCLQGLGPGPLCVHCSAGCGRTGVLCAVDYVYRQLLLTQTIPPNSLFEVVMERKQRPAAVQTEEQ  
 YRFLYHTVAQLFSRTLQNNSPLYQNLKENRAPICKDSSSLRTSSALPATSRPLGGVLRISVPGPPTLPM  
 ADTYAVVQKRGASGSTGPGTRAPNSTDTPIYSQVAPRIQRPVSHTEAQAQTALGRVPADENPSGPDAYE  
 EVT DGAQTGGGLGFNLRIGRPKGPRDPPAEWTRV

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

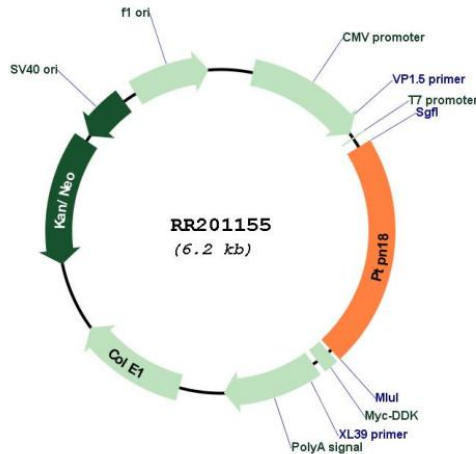
**Restriction Sites:**

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_001013111

ORF Size: 1359 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\\_001013111.1](#), [NP\\_001013129.1](#)

**RefSeq Size:** 1362 bp

**RefSeq ORF:** 1362 bp

**Locus ID:** 301333

**Cytogenetics:** 9q21

**MW:** 50.1 kDa