

## Product datasheet for **MG207242**

### **Ptpn18 (BC008512) Mouse Tagged ORF Clone**

#### **Product data:**

|                           |  |
|---------------------------|--|
| Product Type:             | Expression Plasmids                      |
| Product Name:             | Ptpn18 (BC008512) Mouse Tagged ORF Clone |
| Tag:                      | TurboGFP                                 |
| Symbol:                   | Ptpn18                                   |
| Synonyms:                 | FLP1, HSCF, Ptpk1, PTP-K1, PTP-HSCF      |
| Mammalian Cell Selection: | Neomycin                                 |
| Vector:                   | pCMV6-AC-GFP (PS100010)                  |
| E. coli Selection:        | Ampicillin (100 ug/mL)                   |



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**ORF Nucleotide Sequence:**

>MG207242 representing BC008512  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGAGTCGCCATACGACTTGGTGAGGAGTTTCTTGGAGCAGCTGGAGGCCCGGGACTACCGGGAGGGG  
 CAATCCTCGCTCGTGAGTTCAGCGACATTAAGGCCGCTCAGTGGCTGGAAGTCTGAAGGTGTGTGTT  
 CACTAAAGCCGGCAGTCGGCTTGGGAACATGAACAAGAACCCTACAAAGATGTGGTAGCATATGATGAG  
 ACAAGAGTCATCCTTTCCCTGCTCCAAGAGGAGGGACATGGAGATTACATCAATGCCAATTCATCCGGG  
 GCACAGATGGAAGCCAGGCTACATTGCGACGCAAGGACCCCTGCCTCACACACTGTTGGACTTCTGGCG  
 CCTGGTTTGGGAGTTGGGGTCAAGTAATCCTGATGGCTGTCAAGAGACAGAAAATGGACGGAGGAAG  
 TGTGAACGCTACTGGGCCGGGAGCAGGAGCCTCTAAAGGCTGGGCTTTCTGCATACCCTGACAAAGG  
 AGACAACACTGAATGCAGACATCACTCTCAGGACCTCCAGGTTACATCCAGAAGGAATCCCGCTCTGT  
 GCACCAGCTACAGTATATGTCCTGGCCAGACCAGGGGTTCCAGCAGTTCTGATCACATTTCTACCATG  
 GTGGAGGAGGCCGCTGCCCTCAAGGGCTTGGACTGGACCCCTCTGTGTCCACTGCAGTCTGGCTGCG  
 GACGAACAGGTGTCTGTGCGCTTTGACTATGTGAGGCAGTTGCTGCTGACCCAGACAATCCCTCCCAA  
 CTTCAGCCTCTTCCAAGTGGTCTGGAGATGCGGAAACAGCGGCTGCGGAGTGCAGACAGAGGAGCAG  
 TACAGGTTCTGTACCACACAGTGGCTCAGTATTCTCCCGACTCTCCAGGACACCAGCCCCACTACC  
 AGAACCTCAAGGAGAAGTGCCTCAATCTGCAAGGAAGCCTTCTCCCTCAGGACCTCTCAGCCCTGCC  
 TGCCACATCCCGCCACCAGGAGGGTTCTCAGGAGCATCTCGGTGCCTGCGCCCCGACCTCCCCATG  
 GCTGACACTTACGCTGTGGTGCAGAAGCGTGGCGCTTCGGCGGTACAGGGCCGGGGCCGGGGCCCA  
 ACAGCACGGACACCCCGATCTACAGCCAGGTGGCTCCACGTGCCAGCGACCGGTGCACACACGGAGGA  
 CGCACAGGGGATAACGGCACTGCGCCGAGTTCTGCGGACCAAACTCTCCGGGCTGATGCCTATGAA  
 GAAGTAACAGATGGAGCACAGACTGGTGGCTAGGCTTCAACTTGCGCATCGGAAGGCCCAAGGGCCCC  
 GGGATCTCCAGCAGAGTGGACACGGGTG

**ACGCGT**ACGCGGCCGCTCGAG – GFP Tag – GTTTAA

**Protein Sequence:**

>MG207242 representing BC008512  
 Red=Cloning site Green=Tags(s)

MSRHDLVRSFLEQLRDYREGAILAREFSDIKARSVAVKSEGVCSTKAGSRLGNMKNRYKDVVAYDE  
 TRVILSLLQEEGHGDYINANFIRGTDGSAIYATQGPLPHTLLDFWRLVWEFGVKVILMACQETENGRK  
 CERYWAREQEPLKAGPFCITLTKETTLNADITLRLQVTFQKESRSVHQLQYMSWPDHGVPSDDHILTM  
 VEEARCLQGLGPGPLCVHCSAGCGRTGVLCAVDYVRQLLLTQTIPPNSLFFQVLEMRKQRPAAVQTEEQ  
 YRFLYHTVAQLFSRTLQDTSPHYQNLKENCAPIKFAFSLRTSSALPATSRRPPGGVLRISVPPPTLPM  
 ADTYAVVQKRGASAVTGPGRAPNSTDTPISQVAPRAQRPVAHTEAQTALRRVPADQNSSGPDAYE  
 EVT DGAQTGGLGFNLRIGRPKGPRDPPAEWTRV

**TR**TRPLE – GFP Tag – V

**Restriction Sites:**

Sgfl-MluI

Cloning Scheme:



ACCN: BC008512

ORF Size: 1361 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: [BC008512](#), [AAH08512](#)

RefSeq Size: 1643 bp

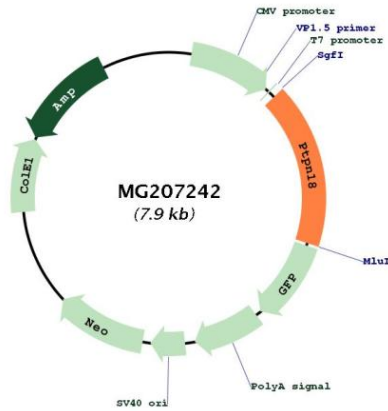
RefSeq ORF: 1361 bp

Locus ID: 19253

Cytogenetics: 1 13.25 cM

Gene Summary: May be involved in growth and differentiation of hematopoietic cells.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG207242