

Product datasheet for **MR207242**

Ptpn18 (NM_011206) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ptpn18 (NM_011206) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ptpn18
Synonyms:	FLP1; HSCF; PTP-HSCF; PTP-K1; Ptpk1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR207242 representing NM_011206
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAGTCGCCATACGGACTTGGTGAGGAGCTTCTTGGAGCAGCTGGAGGCCCGGGACTACCGGGAGGGGG
 CAATCCTCGCTCGTGAGTTCAGCGACATTAAGGCCGCTCAGTGGCCTGGAAGTCTGAAGGTGTGTGTTT
 CACTAAAGCCGGCAGTCGGCTTGGGAACACGAACAAGAACCCTACAAAGATGTGGTAGCATATGATGAG
 ACAAGAGTCATCCTTTCCCTGCTCCAAGAGGAGGGACATGGAGATTACATCAATGCCAACTTCATCCGGG
 GCATAGATGGAAGCCAGGCTACATTGCGACGCAAGGACCCCTGCCTCACACACTGTTGGACTTCTGGCG
 CCTGGTTTGGGAGTTGGGGTCAAGGTAATCCTGATGGCCTGTCAAGAGACAGAAAATGGACGGAGGAAG
 TGTGAACGCTACTGGGCCGGGAGCAGGAGCCTCTAAAGGCTGGGCTTTCTGCATCACCTGACAAAGG
 AGACAACACTGAATGCAGACATCACTCTCAGGACCTCCAGGTTACATCCAGAAGGAATCCGCTCTGT
 GCACCAGCTACAGTATATGTCCTGGCCAGACCAGGGGTTCCAGCAGTTCTGATCACATTTCTACCATG
 GTGGAGGAGGCCGCTGCCTCCAAGGGCTTGGACTGGACCCCTCTGTGTCCACTGCAGTCTGGCTGCG
 GACGAACAGGTGTCTGTGCGCTGTTGACTATGTGAGGCAGTTGCTGCTGACCCAGACAATCCCTCCCAA
 CTTTCAGTCTTTCCAAGTGGTCTTGAGATGCGGAAACAGCGGCCTGCAGCAGTGCAGACAGAGGAGCAG
 TACAGGTTCTGTACCACACAGTGGCTCAGTATTCTCCCGCACTCTCCAGGACACCAGCCCCACTACC
 AGAACCTCAAGGAGAAGTGCCTCCAATCTGCAAGGAAGCCTTCTCCCTCAGGACCTCTCAGCCCTGCC
 TGCCACATCCCGCCACCAGGAGGGTTCTCAGGAGCATCTCGGTGCCTGCGCCCCGACCTCCCCATG
 GCTGACACTTACGCTGTGGTGCAGAAGCGTGGCGCTTCGGCGGGCACAGGGCCGGGGCCGGGGCGCCCA
 CCAGCACGGACACCCCGATCTACAGCCAGGTGGCTCCACGTGCCAGCGACCGGTGCACACACGGAGGA
 CGCACAGGGGACAACGGCACTGCGCCGAGTTCTCGCGGACCAAAACTCTCCGGGCTGATGCCTACGAA
 GAAGTAACAGATGGAGCACAGACTGGAGGGCTAGGCTTCAACTTGCGCATCGGAAGGCCAAAGGGCCCC
 GGGATCTCCAGCAGAGTGGACACGGGTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207242 representing NM_011206
 Red=Cloning site Green=Tags(s)

MSRHTDLVRSFLEQLRDYREGAILAREFSDIKARSVAVKSEGVCSKAGSRLGNTNKNRYKDVVAYDE
 TRVILSLLQEEGHGDYINANFIRGIDGSQAYIATQGPHLLDFWRLVWVFGVVKVILMACQETENGRRK
 CERYWAREQEPLKAGPFCITLTKETTLNADITLRLTQVTFQKEFRSVHQLQYMSWPDHGVPSDDHILTM
 VEEARCLQGLGPGPLCVHCSAGCGRTGVLCAVDYVRQLLLTQTIPPNSLFFQVLEMRKQRPAAVQTEEQ
 YRFLYHTVAQLFSRTLQDTSPHYQNLKENCAPICKEAFSLRTSSALPATSRRPPGGVLRISVPPAPPLPM
 ADTYAVVQKRGASAGTGPGRAPTSTDTPIYSQVAPRAQRPVAHTEDAQGTALRRVPADQNSSGPDAYE
 EVTDAQTGGLGFNLIRGPKGPRDPPAEWTRV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9039_b01.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_011206

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_011206.2](#), [NP_035336.2](#)

RefSeq Size: 1587 bp

RefSeq ORF: 1362 bp

Locus ID: 19253

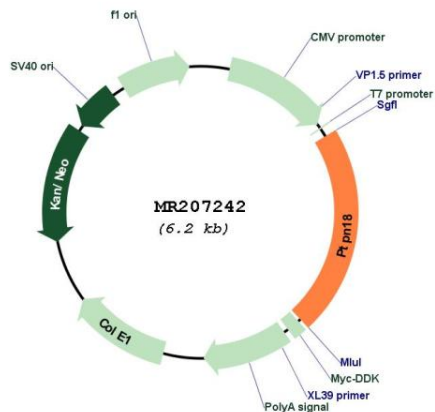
UniProt ID: [Q61152](#)

Cytogenetics: 1 13.25 cM

MW: 50.7 kDa

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

Product images:



Circular map for MR207242