

## Product datasheet for **MG205487**

### Ptpn7 (BC098475) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Ptpn7 (BC098475) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Ptpn7  
**Synonyms:** BPTP-4, HEPTP, LC-PTP, LPTP  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG205487 representing BC098475  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGTCCAGGCCTGTGAGGGGCGCTCCAGAGCACAGCTGCCGACCTTGTCTTTGGGGCAGACATGACTC  
 AGCCTCCACCCACCAAAGCTCCAGCCAAGAAGCATGTGCGGCTGCAGGAGAGAAGGGGCTCCAGTGTGGC  
 TCTGATGCTGGATGTACAGTCTCTGGGCACGGTTGAACCCATCTGCTCAGTGAACACACCCCGGAAGTC  
 ACCCTACACTTCCTGCGCACGGCTGGACACCCCTTACACGCTGGACGCTACAGCACCAACCTCCCAGCC  
 CCAAGCAGCTAGAGGAGGAATTCTGAAGATTCCTCAAACCTTTGTCAACCTGAAGACCTGGATATCCC  
 TGGCCACGCTCCAAAGACCGCTACAAGACCATCTTGCCAAATCCCAGAGCCGTGTCTGTCTTGGCCGG  
 GCACAGAGCCAGGAGGACAGTACTACATCAATGCCAACTACATCCGGGGCTATGACGGGAAGGAGAAGG  
 TCTACATTGCCACCCAGGGCCCCATGCCAACACTGTAGCAGACTTCTGGGAGATGGTGTGGCAAGAAGA  
 CGTATCCCTCATTGTCATGCTCACCCAGCTCCGAGAGGGCAAGGAGAAATGTGTACTACTGGCCACA  
 GAAGAGGAAGCCTATGGGCCCTTCCAGATCCGCATCCAGGACATGAAAGAGCACCCAGAATACACTGTGA  
 GGCAACTACCATCCAGCACCAACAGGAATGCCGTTTCAGTGAAGCACATCCTCTTCTCAGCCTGGCCAGA  
 CCACCAGACTCCAGAATCAGCGGGGCCCTGCTGCGCCTGGTGGCCGAGGTGGAGACTCCAGAGACAGT  
 GCCAATCCGGGCTATAGTGTTCACTGCAGTGCAGGGATCGGCCGACCGGCTGCTTTCATCGCCACCC  
 GCATCGGCTGCCAGCAGCTGAAGGCCCGAGGGGAGGTGGATATTCTGGGCATCGTGTGCCAACTCGACT  
 AGACAGAGGAGGCATGATCCAGACGGCCGAGCAGTACCAGTTTCTGCACCACACTTTGGCCCTATATGCA  
 GCCAGCTGCCCCGGAGCCCAACCC

**ACGGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA



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**Protein Sequence:** >MG205487 representing BC098475  
Red=Cloning site Green=Tags(s)

MVQACEGRSRAQLPTLSLGADMTQPPPTKAPAKKHVRLQERRGSSVALMLDVQSLGTVEPICSVNTPREV  
 TLHFLRTAGHPLTRWTLQHPPSPKQLEEEFLKIPSNFVNPEDLDIPGHASKDRYKILPNPQSRVCLGR  
 AQSQEDSDYINANYIRGYDGKEKYYIATQGPMPNTVADFWEWVWQEDVSLIVMLTQLREGKEKCVHYWPT  
 EEEAYGPFQIRIQDMKEHPEYTVRQLTIQHQQECSRVKHILFSAWPDHQTPEAGPLLRVAEVEVPETA  
 ANSGPIVVHCSAGIGRTGCFIATRIGCQQLKARGEVDILGIVCQLRLDRGGMIQTAEQYQLHHTLALYA  
 AQLPPEPNP

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** BC098475

**ORF Size:** 1079 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:** [BC098475](#), [AAH98475](#)

**RefSeq Size:** 2919 bp

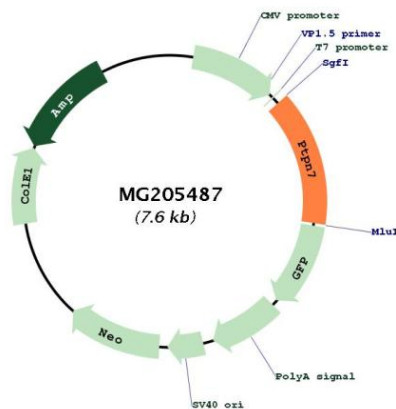
**RefSeq ORF:** 1079 bp

**Locus ID:** 320139

**Cytogenetics:** 1 E4

**Gene Summary:** May play a role in the regulation of T and B-lymphocyte development and signal transduction. [UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MG205487