

Product datasheet for **MC206352**

Pten (BC021445) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pten (BC021445) Mouse Untagged Clone
Tag: Tag Free
Symbol: Pten
Synonyms: MMAC1, TEP1
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC021445
 CCACGCGTCCGCGGACGCGTGGGCGGACGCGTGGGCCACGCGTCCGGCCGCGCAGCAGCCATTACCCG
 GCTGCGGTCCAGGGCCAAGCGGCAGCAGAGCGAGGGGCATCAGCGACCGCCAAGTCCAGAGCCATTCCA
 TCCTGCAGAAGAAGCCTCGCCACCAGCAGCTTCTGCCATCTCTCTCCTCTTTTCTTCAGCCACAGGCT
 CCCAGACATGACAGCCATCATCAAAGAGATCGTTAGCAGAAACAAAAGGAGATATCAAGAGGATGGATTC
 GACTTAGACTTGACCTATATTTATCCAAATATTATTGCTATGGGATTTCTGCAGAAAGACTTGAAGGTG
 TATACAGGAACAATATTGATGATGTAGTAAGGTTTTGGATTCAAAGCATAAAAAACCATTACAAGATATA
 CAATCTATGTGCTGAGAGACATTATGACACCGCCAAATTAAGTGCAGAGTTGCACAGTATCCTTTTGAA
 GACCATAACCCACCACAGCTAGAACTTATCAAACCCTTCTGTGAAGATCTTGACCAATGGCTAAGTGAAG
 ATGACAATCATGTTGCAGCAATTCAGTAAAGCTGGAAGGGGACGGACTGGTGTAAATGATTTGTGCATA
 TTTATTGCATCGGGGCAAATTTTAAAGGCACAAGAGGCCCTAGATTTTTATGGGGAAGTAAAGACCAGA
 GACAAAAAGGGAGTCACAATCCAGATCAGAGGCGCTATGTATATTATTATAGCTACCTGCTAAAAAATC
 ACCTGGATTACAGACCCGTGGCACTGCTGTTTTCAAGATGATGTTTGAAACTATTCCAATGTTCAAGTGG
 CGGAACCTGCAATCCTCAGTTTGTGGTCTGCCAGCTAAAGGTGAAGATATATTCTCCAATTCAGGACCC
 ACGCGGCGGGAGGACAAGTTCACTGTTGAGTTCCCTCAGCCATTGCCTGTGTGGTGTATCAAAG
 TAGAGTTCTTCCACAAACAGAACAAGATGCTCAAAAAGGACAAAATGTTTCACTTTTGGTAAATACGTT
 CTTCATACCAGGACCAGAGGAAACCTCAGAAAAAGTGGAAATGGAAGTCTTTGTGATCAGGAAATCGAT
 AGCATTTGCAGTATAGAGCGTGCAGATAATGACAAGGAGTATCTGTACTCACCTAACAAAAACGATC
 TTGACAAAAGCAAACAAGACAAGGCCAACCGATACTTCTCCTCAAAATTTAAGGTGAAACTATACTTTAC
 AAAAAACAGTAGAGGAGCCATCAAATCCAGAGGCTAGCAGTTCAACTTCTGTGACTCCAGATGTTAGTGAC
 AATGAACCTGATCATTATAGATATTCTGACACCACTGACTCTGATCCAGAGAATGAACCTTTTGTGAAAG
 ATCAGCATTACAAAATTACAAAAGTCTGATTTTTTTTTTTTCTTATCAAGAGGGATAAAATACCATGAAAA
 AAAAAACTTGAATAAACTGAAATGGACCTTTAAAAA

Restriction Sites: RsrII-NotI
ACCN: BC021445



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Insert Size:	1212 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:	<ol style="list-style-type: none">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:	<u>BC021445</u> , <u>AAH21445</u>
RefSeq Size:	1515 bp
RefSeq ORF:	1212 bp
Locus ID:	19211
Cytogenetics:	19 28.14 cM
Gene Summary:	This gene encodes a phosphatase with dual activity against phospholipids and proteins, and acts as a tumor-suppressor. The protein contains four structural domains, a PIP2-binding domain, a catalytic tensin-type phosphatase domain, a C2 tensin-type domain and a PDZ-binding domain. The protein belongs to the protein tyrosine phosphatase family. Deletion of this gene in mice contribute to tumorigenesis in multiple tissues. [provided by RefSeq, Sep 2015]