

Product datasheet for **MC200345**

Mtap (NM_024433) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mtap (NM_024433) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mtap
Synonyms:	1300019I21Rik; MSAP
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC003858 sequence for NM_024433
 ACGCCGGCCCCGAGTCTCCTCCCGGTCCCACGCTGCGGCCCGCTGTGGACTTCCCTGGTGCAGACATGG
 CCTCGGGCTCCGCTGCACGGCGGTGAAGATTGGAATAATTGGTGGAACAGGCTTGGATGATCCCGAAAT
 TTTAGAAGGAAGAACTGAGAAATATGTGGATACTCCATTCCGCAAGCCATCCGATGCCTTAATTTGGGG
 AAGATAAAGAACGTTGATTGTGTACTTCTTCAAGACACGGCAGACAACACACCATCATGCCTTCAAAG
 TCAACTACCAGGCAAACATCTGGGCCTTGAAGGAAGAGGGCTGTACACATGTCATCGTGACCACAGCTTG
 CGGGTCTTGAGAGAGGAGATCCAGCCTGGTGACATGGTCATCATTGACCAATTCATTGACAGGACATCC
 CTAAGGCCTCAGACCTTCTATGATGGGAGTCATTGCAGTGCCAGAGGAGTGTGCCACATCCCATGGCTG
 AACCGTTTTGCCCAAAAACAAGAGAGTCTCATAGAACTGCTAAGAAGCTAGGACTTCGGTGCCATTC
 AAAGGGGACAATAGTCACAATTGAGGGGCCCGTTTCAGCTCCCGGGCAGAAAGCCTTATATTCCGTA
 TGGGGCGCAGATGTTGTCAACATGACCACTGTTCCAGAGTGGTACTTGCTAAGGAGGCTGGAATTTGCT
 ATGCAAGCATTGCCATGGCAACCGACTATGATTGTTGGAAGGAGCATGAAGAAGCAGTGTGAGTGGATG
 GGTAAAAAGACCATGAAAGAAAATGCCAATAAGCCAAAAGTTACTCCTCACTACTATACCTCAGATA
 GGGTCGATGGAATGGTCAGAAACGCTCCGTAACCTAAAGAACATGGCCAGTTTTCCGTTTTACCACAA
 GACATTAACAGCATGGCTGACACAAGAAGACGTTCTACTTCTAGTCTTTGGGGGATTTGCTTAAACA
 AAAATGGGAAAGATCCGACGCTTCATGCCTTTGCCTAGAAAGAAAGACACTGTTAGCGACTCAACCAAG
 ATCCCAACTCCTCCGGACCCAGAAGGAAAGCAGACAGCCTGCCAAACAGAGCCGAGAGACATCTGTC
 TCACTTTCCCTATTAAGTACACAAGGATTACTAGTAAAAACATCCACTACCTACAGCGCTAAGGAG
 CCAATACGAGCTCGAGATGGGACTGTGTGATTGTAAGTGGCGCCATGTTCCGACACTTGGTATTCTAA
 GAGTTTCTTGAAGAAGTTATGAGATATCCTTCAAAGAATCATGTGTAAGAAGAATATTACCTGCCA
 TAGTAAAAATACAAACATCTGAATATCAAAAAAATAGCTGTGCCGTGTTCCGTTATACTTAGGT
 TATGGAGCAATCAAGTGGAAATCATGTTTCCCTCACGAAGAATGATTAATCTTTTTCTACTTTTAAAT
 ATAAATCAAATAAAGCTGTAATAAATAAAGTAAATGAAAGTAAAGTAAAGTAAAGTAAAGTAAAGTAAAG
 TGAAGACAACAACAATAATAAATAAAGTAAAGTAAAGTAAAGTAAAGTAAAGTAAAGTAAAGTAAAGTAAAG
 TCCCAATAAAGAAATAAAGAAATGCTGTGTGAGGAGCTTAAACCTTTGCTAAGAAAGATCCTGG
 GTCACCACACAGCTAAGATGATGTAAGTAAAGTAAAGTAAAGTAAAGTAAAGTAAAGTAAAGTAAAGTAAAG
 ATCACAGTGTATCGAGAGTTGACACATAATCAGTTGGCAATTTTTTTCTTTTGTAAAAGAAAGAAAGTA
 GAAGCCTAACTTTTTATTTTTCAAATTACTGTTGTACAGGTGCCCTACAGCGCCGTAAGGGTCTGTA
 AAGTGAGTGTGCCTGTGTCTGAAATTGACTTCAAGATAAAGCTGTTGATTGTAAGCAATAAATGAATT
 ATTTGCTCCAGTGTAAATGTCGAGCGAGGCCCTGGATAAGTGAATTTGTTACTTCCGCCATGTTGCAGT
 GCTCCCATCTCTGGCTGAAGCAGTCCGTGGAGACTCCGTGAGGCCTGATCAGGGCTTTAGTTGTTTTT
 ACTCACTGCAGTGTCAACACTTCTTTCCCTTAGCCACTGCGGGGTGGGCATCCGTTTTGTTGCCTTTAG
 AAAATGCTGCTCTCTTCAACATGGAGAATGACTTTCTTCAAGTGGCCTTTCTAGCATCATGTGCAGGCTTC
 TTCCCCTTTCTTAAATCCTTATCATGATGAAACATGCATATAATCACTGGGTCTGGCTCAACATGATG
 CTGTCCGTTCTGTCCATCTTCTACGGGTATCGTAATTCATTCTTTTTCTGACAAGATGAAATCTCCTT
 GTGTATCCTTTCCGCATCCTTATCCATGCATGTGTTGATGGACGTGTGGGCTGCTCCATAATGTACCTG
 TTCTGAGTAGTGTTCATAAACATCAGTTTGCAGACTTCTCAGAAAAAAAAAAAAAAAAAAAAAAAAAAAA
 AA

- Restriction Sites:** RsrII-NotI
- ACCN:** NM_024433
- Insert Size:** 852 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:

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: [BC003858](#), [AAH03858](#)

RefSeq Size: 2565 bp

RefSeq ORF: 852 bp

Locus ID: 66902

UniProt ID: [Q9CQ65](#)

Cytogenetics: 4 C4

Gene Summary: Catalyzes the reversible phosphorylation of S-methyl-5'-thioadenosine (MTA) to adenine and 5-methylthioribose-1-phosphate. Involved in the breakdown of MTA, a major by-product of polyamine biosynthesis. Responsible for the first step in the methionine salvage pathway after MTA has been generated from S-adenosylmethionine. Has broad substrate specificity with 6-aminopurine nucleosides as preferred substrates.[UniProtKB/Swiss-Prot Function]