

Product datasheet for **MC206973**

Mthfs (BC024567) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mthfs (BC024567) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mthfs
Synonyms:	Gm2382
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC206973 representing BC024567. Blue=ORF Red=Cloning site Green=Tag(s)

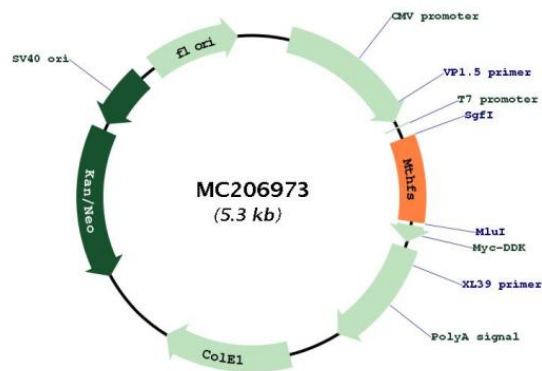
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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCAAGATGAAGTTGAGACGGAAGTAATCATCAAGGACATTTTCAAACAAGGCAAAATCTGCTTCATC
CCTCAGTACCAATCCAGAGCAATCACATGGACATGGTGAGGTTAACGTCACCTGAAGAAATTGCTTTA
CTTCCAAGACATCTTGAATATTCATCAGCCTGGTGAGGGAGATGTTCCGGGAGGAGGCCTATCCACT
GGTGGACTTGACCTCATCTTCTCCTGGCCTCGGTTTGACAAAGATGGCAACCGGCTGGGGCGGGGT
AAGGGTACTATGACACCTACCTGAAGCGCTGTGTACAGCATCAGGAAGTGAAGCCCTACACCATGGCT
TTGGCTTTTAAAGAGCAGATCTGTCCCCAGATCCCAGTGGATGAGCATGACATGAAGGTAGATGAAGTC
CTTTATGAAGATTCCTCCAGCATCTAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: Sgfl-Mlul



[View online »](#)

Plasmid Map:



ACCN: BC024567

Insert Size: 441 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: [BC024567](#)

RefSeq Size: 689 bp

RefSeq ORF: 440 bp

Locus ID: 107885

Cytogenetics: 9 E3.1

MW: 16.7 kDa

Gene Summary: Contributes to tetrahydrofolate metabolism. Helps regulate carbon flow through the folate-dependent one-carbon metabolic network that supplies carbon for the biosynthesis of purines, thymidine and amino acids. Catalyzes the irreversible conversion of 5-formyltetrahydrofolate (5-CHO-H(4)PteGlu) to yield 5,10-methenyltetrahydrofolate (By similarity).[UniProtKB/Swiss-Prot Function]