

Product datasheet for **MC201235**

Mthfd2 (NM_008638) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mthfd2 (NM_008638) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mthfd2
Synonyms:	AW558851; NMDMC
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC019511 sequence for NM_008638
 CCGGGGTATAGCTTCGTGGCCCGCGCGCGCTTCTCTCCGGCGCGGGCACCGGCGCGAGCCATGGCTTC
 AGTTTCCTTGTGTCTGCGTTGGCTGTGCGGTTGTTGCGCCCCACGCACGGCTGCCACCCCCGCCTACAG
 CCCTTCCACCTGGCGGCAGTGCGAAATGAAGCCGTTGTCAATTTCTGGAAGGAACTGGCCCAGCAGATCA
 AGCAAGAAGTACAGCAGGAGGTGGAAGAGTGGGTGGCCTCAGGCAATAAGCGGCCACACCTCAGTGTCT
 TCTGGTTGGTGACAATCCCGCCAGTCACTCCTATGTTCTCAACAAAACCAGGGCAGCAGCTGAAGTGGGA
 ATCAACAGTGAGACAATTGTGAAACCAGCCTCAGTTTCAGAGGAAGAGCTGCTGAATCAATCAGGAAGC
 TGAACAACGATGAGAACGTAGATGGCCTCCTTGTTCAGCTGCCACTCCCAGAGCACATTGATGAGAGGAA
 GGTCTGCAATGCCGTTTCTCCTGACAAGGATGTTGATGGCTTTCATGTCATTAACGTGGGGCGAATGTGC
 TTGGACCAGTACTCTATGCTGCCAGCAACCCCATGGGGCGTGTGGGAGATAATTAAGCGAACAGGCATTC
 CAACCTTAGGGAAGAATGTGGTAGTGGCTGGCAGGTCAAAAAACGTTGGAATGCCGATTGCAATGTTGCT
 GCACACAGATGGAGTCAAGAACGGCCCGGGGTGATGCCACAGTCAATAATCTCATCGATACACTCCC
 AAAGAGCAGCTGAAGAAGCACACGATCCTTGCAGACATTGTAATATCTGCCGCTGGCATTCCAAATCTGA
 TCACAGCTGACATGATCAAGGAAGGAGCAGCGGTATCGATGTGGGAATAAACAGAGTTCAGATCTGT
 CACTGCAAGCCCAAATGGTTGGAGATGTGGATTTTGAAGGAGTCAAGAAGAAAGCTGGTTATATCACT
 CCCGTCCTGGTGGTGTGGGTCCCATGACCGTGGCCATGCTCATGAAGAACCATTATTGCCGCAAGA
 AAGTGCTAAGACCAGAGGAGCTGGAAGTGTCAAGTCCAAACAGCGCGGAGTCCGCCACCAACTAGCAGCA
 CTCTGAGCCAGCCGAGAGGCTAAGCAGGCCAAGAGGAATGCAGTGTTTTTAATTTATTCTGTGCAATG
 GTTTAAATGTTTGTATTTATTGAAAGCTTAAACGGGTGGCTGTGTGCGCGCATGGCTCTACAGAACCTC
 ACCAGGATGCCCATCAGTTGTCTGCCTTTGACCTGGTGTGACAGGAGACGTCCTCACACCGAGAGTG
 GATGCTGAACTTCATCAAAAAAAAAAAGGTCTGCCGTTTTAGGCTCTCATTCCCAAGTGTATTCCA
 ATACAAGTTGATGACTCATCTTAGTCCCAAGCCTTTGAGTTCACTTTCAAACCAAAGGAAACCTTAGT
 AGAGGAAATGAAGGGAAGGAAGAGAAAGCAGCACAGGTTTCAACGGCACTCCCTACTCTCGGGAG
 TGACGCCAGGAGTGTCCGATTGCCCTGAGGAGAGCTCAGCTGGCTGGGCCTAGCTGTCCCCTGTGGCG
 GGTCTGACAGGAAGGTTAGAGTCTCCCACTTGTGTTATCCTCCTGTGAGCTTGTCTATCTATTTTA
 ATTTTCTAGAATCGAAAAAGCTCATTTTATAAATGATGTGTGATTATCACGTTTGGCTTTTGCAGCACA
 TTTAAACTTTTAAAGTTTCAGACTGTTAAGAGAGTTGTGTGTCTGTTTTCTTTGGCGGGTGTCTTGGGCC
 TATTTGTTTTTGA AAAACAAAACAAAACCTTGTGCGTGATAATCACAGGGCAGCTCGTCCACCAAAGAA
 CTGTCAGCAGCTGCCTGCACGTCTTTCACGTACCCCGTTGGCTTTCCTGTAAGCTATCCAGGAGCTTGGG
 TTAATATAAGACTTAGTCGGATTTTCTTATTAAGGGTTTTCTTGCAGTTGGGTTTTTTGTTTGTTTTA
 AATAAAGCTCATCTGTCCGGTGTGGAATGCGTTTTCTGAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_008638

Insert Size: 1053 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: [BC019511](#), [AAH19511](#)

RefSeq Size: 2083 bp

RefSeq ORF: 1053 bp

Locus ID: 17768

UniProt ID: [P18155](#)

Cytogenetics: 6 35.94 cM

Gene Summary: Although its dehydrogenase activity is NAD-specific, it can also utilize NADP at a reduced efficiency.[UniProtKB/Swiss-Prot Function]