

Product datasheet for **RN209354**

Mthfd2 (NM_001109398) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mthfd2 (NM_001109398) Rat Untagged Clone
Tag: Tag Free
Symbol: Mthfd2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN209354 representing NM_001109398
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTTTCTGTTTCCTTGTCTGCGCTGGCAGTGCAGTTGTTGCGCCCCACGCACGGCTGCCACTCCC
TACAGTCCTTCCACCTGGCGCAGTACGAAATGAAGCCGTGGTCATTTCTGGAAGGAAGCTGGCCAGCA
GATTAAGCAAGAAGTACGGCAGGAGTGAAGAGTGGGTGGCCTCGGGCAACAAGCGCCACACCTCAGT
GTCATTCTGGTTGGCGACAATCCTGCCAGTCACTCCTATGTTCTCAACAAAACCAGGGCAGCAGCTGAAG
TGGGAATCAACAGTGAACAATTGTGAAACCAGCCTCAGTGTGAGGAAGAGCTGTTGAATTAATCAG
GACATTGAATGACGATGAGAATGTAGATGGCCTCCTTGTTCAGCTGCCACTCCCAGAGCACATTGACGAG
AGAAAGATCTGCAATGCTGTTTCTCCTGACAAGGATGTTGATGGCTTTCATGTCATCAACGTTGGGCGCA
TGTGTTTGGACCAGTATCCATGCTGCCAGCACTCCATGGGGCGTGGGAGATACTCAAGCGAACAGG
CATTCCAACCTTAGGGAAGAATGTGGTAGTGGCTGGCAGGTCCAAAACGTTGGGATGCCAATTGCAATG
CTGCTGCACACGGATGGGGCACACGAGCGCCTGGGGTGTGCCACAGTCAAAATCTCATCGGCACA
CTCCAAAGAACAGCTGAAGAAGCACACGATCCTTGGGACATTGTGATATCTGCTGCTGGCATTCCAAA
CCTCATCACAGCTGACATGATCAAGGAAGGAGCAACAGTCATCGACGTGGGGATAAACAAGAGTTCAGAT
CCTGTCACCGCAAAGCCCAAGTTGGTTGGAGATGTGGATTTTGAAGGAGTCAAGAAGAAAGCTGGTTACA
TCACTCCTGTCCCTGGGGTGTGGTCCCATGACAGTGGCCATGCTCATGAAGAACCATTATTGCTGC
AAAGAAAGTGCTCAGGCCAGAGGAGCTGGAAGTGTGAAGTCCACACAGCGCGGAGTTGCCACCAACTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001109398
Insert Size: 1050 bp



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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>NM_001109398.1</u> , <u>NP_001102868.1</u>
RefSeq Size:	2061 bp
RefSeq ORF:	1050 bp
Locus ID:	680308
Cytogenetics:	4q34