

## Product datasheet for **MC220946**

### **Mthfd1l (BC030437) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Mthfd1l (BC030437) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mthfd1l
Synonyms:	2410004L15Rik; AI647056; Fthfsdc1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >BC030437  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGACAATGAGCTGCCCTGGGCAACACCTCAGCTTCCAGACAAGCTTCGAGAGGCAGACATTGTGGTCT  
 TAGGCTCACCTAAGCCAGAAGAGATTCCTGCTGGTGGATTCCATCAGGAACCACCATTCTCAATTGCTT  
 CCATGACTTCTTGTGAGGGAAGCTGAGCGGAGGTTCTCCTGGGGTCCCGTGACAAACTCATTGCAGAA  
 GAGAGCGTGAGTCTCCTTGTGCGGCTCTGCGCATTGAGAACATGGTGAGCAGCGGCAGGAGGTGGCTCA  
 GAGAGCAGCAACATCGAAGATGGCGACTGCACTGCTTAAAAGTGCAGCCTCTCTCACCTGTGCCAGTGA  
 TATTGAGATTTCTCGAGGACAGACTCCAAAAGCTGTGGATGCTTGGCAAGGAGATAGGATTGCTTGA  
 GATGAAATTGAAATCTATGGCAAGAGCAAAGCCAAAGTCCAATTGTCCCTGCTGGAGAGGTTAAAGGATC  
 AAACAGATGGAAAATACGCTTGGTTGCTGGGATCACGCCACCCGCTCGGAGAAGGGAAGGTACAGT  
 CACCATCGGACTAGTGCAGGCGCTGACCGCTCACCTGAAAGTCAACTCCTTCGCCTGTCTGAGGCAGCCT  
 TCTCAGGGACCCACTTTTGGAGTGAAAGGAGGAGCTGCAGGAGGTGGATATGCTCAGGTCATCCCCATGG  
 AGGAGTTCAACCTTCACCTGACTGGGGACATCCATGCCATCACTGCCCTAATAACTTGCTGGCCGAGC  
 CATCGACACGAGAATTTACATGAGAGCACTCAAACAGACAAGGCTCTCTACAATCGACTGGTTCCTTA  
 GTGAATGGTGTGACAGAAATTTTCAAAAATCAACTTTCTCGGCTGAAGAAACTGGGGATACATAAGACTG  
 ATCCAAGCACACTGACCGAGGAGGAAGTGGGAAGTTCGCCCCCTCAACATTGACCCCGCAACCATCAC  
 GTGGCAGAGAGTATTGGACACGAACGACCGATTCTGAGAAAAATAACCATTGGACAGGGAAGTACAGAG  
 AAAGGATATCCCGGCAGGCACAGTTTGACATTGCAGTGGCCAGCGAGATCATGGCCGTGCTGGCCTTGA  
 CTGATAGCCTCACAGACATGAAAGAGCGGCTAGGAAGAATGGTGGTGGCCAGTGACAAAGACGGGAGCC  
 TGTGACAGCTGAGGACTTGGGGGTGACCGCGCTCTGACAGTTTTGATGAAAGACGCCATCAAGCCAAAT  
 CTGATGCAGACCTTGAAGGAACACCTGTGTTGTGCATGCTGGTCCCTTGGCAACATCGCTCACGGCA  
 ACTCATCAGTATTAGCTGATAAAATCGCGCTGAAATTGGTGGGCAAGAAAGGTTTGTGGTACTGAAGC  
 TGGCTTTGGGCTGATATTGGGATGGAGAAATTTCAATATCAAATGCCGAGCTTCTGGCCTGGTGCCC  
 AACGTTGCTGCTGGTAGCCACCGTTGAGCTCTGAAGATGCATGGAGGCGGGCCGAGTGAAGTCTG  
 GGGTTCCTCTCAAGAAAGAAATATACAGAGGAGAACATTCAGCTGGTAGCTGATGGCTGCTGCAACCTACA  
 GAAGCAAATTCAGATCGCTCAGCTTTCGGGGTCCGGTGGTGGTGGCACTGAATGTCTTCAAGACGGAC  
 ACCCGTGCAGAGATTGACTTGGTGTGTGAGCTCGCTAAACGGGCCGGTGCCTTTGATGCGGTCCCCTGCT  
 ATCACTGGTCCGCTGGAGGAAAGGATCTGTGGACTTGGCCCGGCTGTGAGAGAAGCTGCGAATAAAAG  
 AAGCCGCTTCAGTTCCTGTATGATGTTTCAAGTCCCATCGTGGAAAAGATAAGAGTCATTGCCAGACT  
 GTCTATGGAGCCAAGGACATTGAGCTGTCTCTGAGGCGCAGTCCAAAATCGATCGCTATACGCAACAGG  
 GTTTTGGAAATTTGCCATTTGTCATGGCGAAGACCCACCTCTCTCTCTCATGAACCTGACAAAAGGG  
 AGTGCCGAGGGATTTCACTCTGCCATCAGTGATGTCCGGCCAGCATCGGGGCTGGGTTTCAATTTATCCT  
 TTGGTGGGAACGATGAGCACAATGCCAGGACTGCCACCCGACCTGCTTTTATGATATAGACCTTGACA  
 CAGAAACGGAGCAAGTTAAAGGCTTGTCTAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** BC030437  
**Insert Size:** 2202 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).

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">BC030437</a></u> , <u><a href="#">AAH30437</a></u>
<b>RefSeq Size:</b>	3061 bp
<b>RefSeq ORF:</b>	2201 bp
<b>Locus ID:</b>	270685
<b>Cytogenetics:</b>	10 A1
<b>Gene Summary:</b>	May provide the missing metabolic reaction required to link the mitochondria and the cytoplasm in the mammalian model of one-carbon folate metabolism in embryonic an transformed cells complementing thus the enzymatic activities of MTHFD2.[UniProtKB/Swiss-Prot Function]