

## Product datasheet for MC212993

### Mthfsd (NM\_001166482) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Mthfsd (NM\_001166482) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Mthfsd  
**Synonyms:** AW049977; BC052066; C920004D05  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC212993 representing NM\_001166482  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGAGACCCAGGAGGGTGTCTCCAACAAGCATACTGTAACGGATTTGGGACTACATGGAATCCCATG  
 ATATAGCTGACTTCCCCGACCCGTTTCATCACAGGATCCCCAACTCAAGGGTGTGCTCAGGCTGCGGG  
 GCACCTCCACACCTGCAAGCTTCCATGTGGCCAGAACCATTAAGTCAACCCGGACGCTCCTCAGAGA  
 AACGCCCGCTTCCCTGGTGTGGAGAGCAAAAAACACTGCTGGTCCCAACACCACGACTGCGAACAGGGC  
 TGTTTAAACAAGATCACGCCACCCCTGGAGCCACCAAGACATTCGAGGAAATGTGCCACCTCCAGGG  
 TGTGCGGAATTTACAGCTCCAGTGGGCTTGGATTCCAGTGTCTTGTGGATCTAGTTGTGGTGGGATCT  
 GTTGCTGTGTCTGAGAAAGGCTGGCGAATTGGGAAAGGGGAAGGCTATGCTGATCTTGAATACGCCATGA  
 TGGTGTCAATGGGAGCCGTCACAAGGGGACCCGTTGTCAATTGTCCACGACTGCCAGGTCGTAGA  
 CATCCCCGAGGCTCTTGTGGAGGACCACGACCTCACAGTTGACTACATCCTCACTCCACCCAGGGTCATC  
 ACTACAGGCTGTGCACGCCCAAAGCCAACGGGCATCATGTGGTCCAAGGTCAGCTGTGAGATGCTTACGA  
 AAATCCCAGTGTCTAGGAACCTCCGGGAGAGAGAAACAGGCTGGGAAGGATGTCACTCCGGGACGA  
 GCCTGGCAGCCAGCAGCCAGCTCCAGGCCCATCAGGAGACCCAGGATAGACCACAAACAGGTTCTCGA  
 GGAGGGTCCCCTAGTCCCCTGCAGGGGGCGGACACCCAAGTACTGCTGCTGTGTGGGAAACCTGC  
 CCTCACTACTCGTGTGCGTGAGCTGAAGAGAGTCTCCAGGAGCTGGGGTGGTGGCCCTGAGGCTTAC  
 CTGGCAGGGGCCACAGCACAGGGCAGTTCTACACTATACAGACTCAGCTGCTGCCAGCAGGCCGCTCT  
 CTCCTACAGGGCTACGCTCTGGGTGCCAACGCCTTGGGGTGTCACTGGGGCAGCAGAGGGATAT**GTGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001166482



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<b>Insert Size:</b>	1119 bp
<b>OTI Disclaimer:</b>	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>NM_001166482.1, NP_001159954.1</u>
<b>RefSeq Size:</b>	1568 bp
<b>RefSeq ORF:</b>	1119 bp
<b>Locus ID:</b>	234814
<b>UniProt ID:</b>	<u>Q3URQ7</u>
<b>Cytogenetics:</b>	8 E1