

Product datasheet for **RN212862**

Mthfd1l (NM_001108462) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mthfd1l (NM_001108462) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Mthfd1l
Synonyms:	Fthfsdc1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN212862 representing NM_001108462
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGTGCCCGCCTTCTCTCTGCTACGCCAACTCGGCCACCAGCAGCTGCCCCGGGCCCGCGTGTG
 GCCTCCGTGAGCTGTGTGATCCGGCAGCAGAAGCAGCAGCAGCGGAGGTGGTGACCCCGAGGGTTGCG
 CGGGCGCGGCTGCAGGATGGCCAAAGCCTTCATCAGCCATAGCCAGGCAGTCCGGAAGACCCCGGATG
 GACTCAATCGTTAGAGACGTCAATCACAAATCCAAAGAAGTGTGAACCTGTTGCAAGAAAAAACCTG
 CCTTTAAGCCAGTTCTTGTGTGATTACGGCAGGAGATGACCACCTGATGCAGAAATGTAACCAGAAATTT
 GGCCAAGGAGGCTGGCCTGGACATCACTCACATCTGCCTACCTCCAGACAGTGGAGAGGATGAGATCATA
 GATGAAATCCTGAAGATTAATGAAGACCCTAGAGTGCATGGCCTTGCCCTCAGATCTCTGAAGATTCAT
 TGTGCAACAAAGTTCTCAATGCTTTGAAACCGGAAAAAGATGTGGACGGGGTACCGATGTCAATCTAGG
 GAAGCTGGTGCAGGTGACGCTCTGAATGTTTTGTTTCGCCCTTGCCAGAGCTGCAGTAGAACTCATT
 GAGAAATCAGGGATCACCTTGGATGAAAGAAGGTCTTGGTCATAGGGGCTCACGGCCCTCTGAAAGCTG
 CCCTGCAATGTCTTTCCAGAGAAAAGGATCCATGACAATGAGCTCCCCGTGGATAACACCTCAGCTTCA
 AGACAAGCTTCGAGAGGCAGACATTGTGGTCTTGGGCTCACCTAAGCCCGACGAAATTCCTGCTGTTGG
 ATCCCCTCAGGAGCCACCATGCTCAATTGCTTCCATGACTTCTTGTGAGGAAAGCTGAGAGGAGGTTCTC
 CTGGGGTCCCCATGAACAGACTCATTGCCGACGAGAGCGTGAGTCTCCTTGTGCAGCTCTGCGGTTCA
 GAACATGGTGAACAGTGGCAGGAGATGGCTCCGAGAGCAGCAGCATAGAAGATGGCGACTCCACTGCTTG
 AAATCGACGCTCTCTCCCTGTGCCAGTGTATTTGAGATCTCACGAGGACAGACTCCAAAAGCGGTGG
 ATGTCCTTGCCAAGGAGATAGGATTTGCTTGAGATGAAATGAAATCTACGGCAAGAGCAAGGCCAAAGT
 CCGCTTGTCCCTGCTGGAGAGGTTAAAGGATCAAACAGATGAAAAATACGCTTGTGGTTGCTGGGATCACA
 CCCACCCCACTTGAGAGAAGGGAAGAGCAGTCCATCGGACTAGTGCAGGCACTAACTGCTCACCTGA
 ACGTCAACTCCTTCGCTGTCTGAGACAGCCTTCCAGGGACCCACTTTTGGAGTGAAGGAGGAGCTGC
 AGGTGGTGGATATGCTCAGGTCATCCCATGGAGGAGTTCAACCTTACCTGACTGGGGACATCCACGCC
 ATCACTGCCGCTAATAACTTACTGGTGTGCCATCGACACGAGAATTTCCATGAGAGCACTCAGACAG
 ACAAGGCTCTATACAATCGACTGGTCCCTTAGTGAATGGTGTGAGAAAAATTTCCAGAAATCAACTTTC
 TCGGCTGAAGAACTGGGATACATAAGACTGATCCACCGCTCTGACAGAAGAGGAAGTGAAGGAGTTC
 ACCCGCTCAACATTGACCCCTCTACCATCACATGGCAGAGAGTATTGGACACGAATGACCGATTTCTGA
 GAAAAATAACTATTGGGAGGGAAGCACGGAGAAAGGATATTCCCGCAGGCACAGTTTGCATTGCAAT
 GGCCAGCGAGATCATGGCCGTGCTGGCCTTACTGATAGCCTCGCAGACATGAAAGAGCGGCTAGGAAGA
 ATGGTGGTGGCCAGTGACAAAGATGGGCAGCCTGTGACAGCTGAGGACTTGGGGGTGACAGGTGCTCTGA
 CAGTTTTAATGAAAGACGCCATCAAGCCAAATCTAATGCAGACCTGGAAGGAACACCTGTGTTGTGCA
 CGCTGGTCCCTTTGCTAATATCGCTCATGGCAACTCGTCGGTGTAGCTGATAAAATCGCACTAAACTG
 GTCGGCGAAGAAGGTTTGTAGTACTGAAGCTGGCTTTGGGGCTGATATTGGGATGGAGAAATTTCTCA
 ACATCAAATGCCGAGCTTCTGGCCTGGTGCCCAATGTTGTTGCTGCTGGTGGCCACCGTTCGAGCTGAA
 GATGCATGGAGGTGGGCCAAGTGAACCGCTGGGTTCCCTCAAGAAAGAATATACAGAAGAGAACAT
 CAGCTGGTAGCTGATGGCTGCTGCAACCTACAGAAACAAATTCAGATCGCTCAGCTCTTCGGGGTGCCCG
 TGGTGGTGGCACTGAATGTCTTCAAGACGGACACCCGTGACAGAGATTGACCTGGTGTGTGAGCTCGCTAA
 ACGGGCCGGTGCCTTTGATGCGGTCCCCTGCTATCACTGGTCACTGGAGGAAAAGGGTCCGTGGACTTG
 GCTCGGGCTGTGAGAGAAGCTGCGAATAAGAGAAGCCGCTTCCGGTTCCTGTACGATGTTGAGCTTCCCA
 TCGTGGCAAAGATAAGAGTAATTGCCAGACCGTCTATGGAGCCAAGGATATTGAGCTGTCTCTGAGGC
 ACAGGCCAAAATCGACCGCTATACGCAACAGGGTTTTGAAATTTGCCCATCTGCATGGCAAAGACCCAC
 CTTTCTCTGTCTCATGAACCTGACAAAAAGGGGTGCCGAGGACTTCATTCTGCCATCAGTGTGTC
 GAGCCAGCATCGGGCTGGGTTCAATTAACCTTTGGTGGGAATGATGAGCACAATGCCAGGTCTGCCAC
 CCGACCCTGCTTTTACGATATAGACCTTGACACAGAAACAGAGCAAGTTAAAGGCTGTTC**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001108462
Insert Size:	2934 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:	<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_001108462.2</u> , <u>NP_001101932.2</u>
RefSeq Size:	3564 bp
RefSeq ORF:	2934 bp
Locus ID:	361472
Cytogenetics:	1p11-q11