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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
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

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Fully Sequenced ORF:

>BC030437
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGACAATGAGCTGCCCCTGGGCAACACCTCAGCTTCCAGACAAGCTTCGAGAGGCAGACATTGTGGTCT
TAGGCTCACCTAAGCCAGAAGAGATTCCTGCTGCGTGGATTCCATCAGGAACCACCATTCTCAATTGCTT
CCATGACTTCTTGTCAGGGAAGCTGAGCGGAGGTTCTCCTGGGGTCCCCGTGGACAAACTCATTGCAGAA
GAGAGCGTGAGTCTCCTTGCTGCGGCTCTGCGCATTCAGAACATGGTGAGCAGCGGCAGGAGGTGGCTCA
GAGAGCAGCAACATCGAAGATGGCGACTGCACTGCTTGAAACTGCAGCCTCTCTCACCTGTGCCCAGTGA
TATTGAGATTTCTCGAGGACAGACTCCAAAAGCTGTGGATGTCCTTGCCAAGGAGATAGGATTGCTTGCA
GATGAAATTGAAATCTATGGCAAGAGCAAAGCCAAAGTCCAATTGTCCCTGCTGGAGAGGTTAAAGGATC
AAACAGATGGAAAATACGTCTTGGTTGCTGGGATCACGCCCACCCCGCTCGGAGAAGGGAAGAGTACAGT
CACCATCGGACTAGTGCAGGCGCTGACCGCTCACCTGAAAGTCAACTCCTTCGCCTGTCTGAGGCAGCCT
TCTCAGGGACCCACTTTTGGAGTGAAAGGAGGAGCTGCAGGAGGTGGATATGCTCAGGTCATCCCCATGG
AGGAGTTCAACCTTCACCTGACTGGGGACATCCATGCCATCACTGCCGCTAATAACTTGCTGGCCGCAGC
CATCGACACGAGAATTTTACATGAGAGCACTCAAACAGACAAGGCTCTCTACAATCGACTGGTTCCCTTA
GTGAATGGTGTCAGAGAATTTTCAGAAATTCAACTTTCTCGGCTGAAGAAACTGGGGATACATAAGACTG
ATCCAAGCACACTGACCGAGGAGGAAGTGAGGAAGTTCGCCCGCCTCAACATTGACCCCGCAACCATCAC
GTGGCAGAGAGTATTGGACACGAACGACCGATTTCTGAGAAAAATAACCATTGGACAGGGAAGTACAGAG
AAAGGATATTCCCGGCAGGCACAGTTTGACATTGCAGTGGCCAGCGAGATCATGGCCGTGCTGGCCTTGA
CTGATAGCCTCACAGACATGAAAGAGCGGCTAGGAAGAATGGTGGTGGCCAGTGACAAAGACGGGCAGCC
TGTGACAGCTGAGGACTTGGGGGTGACCGGCGCTCTGACAGTTTTGATGAAAGACGCCATCAAGCCAAAT
CTGATGCAGACCCTTGAAGGAACACCTGTGTTTGTGCATGCTGGTCCCTTTGCCAACATCGCTCACGGCA
ACTCATCAGTATTAGCTGATAAAATCGCGCTGAAATTGGTCGGCGAAGAAGGGTTTGTGGTGACTGAAGC
TGGCTTTGGGGCTGATATTGGGATGGAGAAATTCTTCAATATCAAATGCCGAGCTTCTGGCCTGGTGCCC
AACGTTGTCGTGCTGGTAGCCACCGTTCGAGCTCTGAAGATGCATGGAGGCGGGCCGAGTGTAACTGCTG
GGGTTCCTCTCAAGAAAGAATATACAGAGGAGAACATTCAGCTGGTAGCTGATGGCTGCTGCAACCTACA
GAAGCAAATTCAGATCGCTCAGCTCTTCGGGGTGCCGGTGGTGGTGGCACTGAATGTCTTCAAGACGGAC
ACCCGTGCAGAGATTGACTTGGTGTGTGAGCTCGCTAAACGGGCCGGTGCCTTTGATGCGGTCCCCTGCT
ATCACTGGTCGGCTGGAGGGAAAGGATCTGTGGACTTGGCCCGGGCTGTGAGAGAAGCTGCGAATAAAAG
AAGCCGCTTCCAGTTCCTGTATGATGTTCAGCTTCCCATCGTGGAAAAGATAAGAGTCATTGCCCAGACT
GTCTATGGAGCCAAGGACATTGAGCTGTCTCCTGAGGCGCAGTCCAAAATCGATCGCTATACGCAACAGG
GTTTTGGAAATTTGCCCATTTGCATGGCGAAGACCCACCTCTCTCTCTCTCATGAACCTGACAAAAAGGG
AGTGCCGAGGGATTTCACTCTGCCCATCAGTGATGTCCGGGCCAGCATCGGGGCTGGGTTCATTTATCCT
TTGGTGGGAACGATGAGCACAATGCCAGGACTGCCCACCCGACCCTGCTTTTATGATATAGACCTTGACA
CAGAAACGGAGCAAGTTAAAGGCTTGTTCTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
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).

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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:	BC030437, AAH30437
RefSeq Size:	3061 bp
RefSeq ORF:	2201 bp
Locus ID:	270685
Cytogenetics:	10 A1
Gene Summary:	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]

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