

Product datasheet for **MR221837**

Mthfd1l (NM_001170785) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mthfd1l (NM_001170785) Mouse Tagged ORF Clone
Tag:	Myc-DDK
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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ORF Nucleotide Sequence:

>MR221837 representing NM_001170785
 Red=Cloning site Blue=ORF Green=Tags(s)

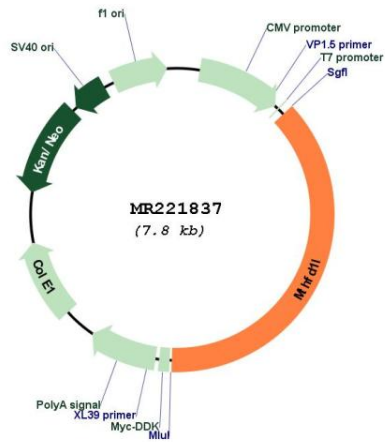
TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

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 GCCTCCGTGAGCTGTGTGCTCAGGCAGCAGAAGCAGCAGCAGCGGAGGTGGTGACCCCGAGGGTTACG
 CGGGCGCGGCTGCAGGATGGCCAAACCTTCAGCAGCCATGGCCAGGCAATCCGGAAGCCCCGGGATG
 GACTCCATCGTCAGAGACGTCATTACAAATTCAGGAAGTGTGAGCTTGTGCAAGAAAAGAACCTG
 CCTTTAAGCCAGTCTTGTGTTTATCAGGCCGTGATGACAATTTGATGAAGGATATGAACCAGAAATTT
 GGCCAAGGAGGCTGGTCTGGACATCACTCACATCTGCTTGCCTCCAGACAGCGGAGAGGATGAGATCATA
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 CCGACCCTGCTTTTATGATATAGACCTTACACAGAAACGGAGCAAGTTAAAGGCTGTTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	NM_001170785.1 , NP_001164256.1
RefSeq Size:	3743 bp
RefSeq ORF:	2934 bp
Locus ID:	270685
UniProt ID:	Q3V3R1
Cytogenetics:	10 A1
MW:	106.2 kDa
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]

Product images:



Circular map for MR221837