

Product datasheet for **RG233617**

MTHFD1L (NM_001242769) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: MTHFD1L (NM_001242769) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: MTHFD1L
Synonyms: dj292B18.2; FTHFSDC1; MTC1THFS
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG233617 representing NM_001242769
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGCACGCGTCTGCCGCTCGTCCTGCGCCAGCTCCGCCGCCGCCAGCCCCAGCCCCGGGCCCTCCGCGCC
 GCCTCCGTGTGCCCTGTCGCGCTAGCAGCGCGCGCGGAGGCGGCGCGGTGGCCGGGAGGGCCTGCT
 TGGACAGCGCGCGCCGAGGATGGCCAGGCCCGGAGCAGCTGCAGCCCCGGCGCCGAACGCCCGCGCG
 CGGGACTCCATCGTCAGAGAAGTCATTCAGAATCAAAGAAGTTCTAAGTTTATTGCAAGAAAAAAC
 CTGCCTCAAGCCGTTCTTGAATTATCCAGGAGGTGACGACAACTTGATGCAGGAAATCAACCAGAA
 TTTGGCTGAGGAGGCTGGTCTGAACATCACTCACATTTGCCTCCCTCCAGATAGCAGTGAAGCCGAGATT
 ATAGATGAAATCTTAAAGATCAATGAAGATACCAGAGTACATGGCCTTGCCCTTCAGATCTCTGAGAACT
 TGTTTAGCAACAAAGTCCTCAATGCCTTGAAACCAGAAAAAGATGTGGATGGAGTAACAGACATAAACCT
 GGGGAAGCTGGTGCAGGGGATGCCCATGAATGTTTTGTTTACCTGTTGCCAAAGCTGTAATTGAACCT
 CTTGAAAAATCAGGTGTCAACCTAGATGGAAAGAAGATTTGGTAGTGGGGGCCATGGGTCTTTGGAG
 CTGCTCTACAATGCCTGTTCCAGAGAAAAGGTCCATGACAATGAGCATCCAGTGAAAAACCGCCAGCT
 TCAAAGCAAGACGGAGTCTGTTCTGTACCAGGCTGGAGTGCAGGCCGCTGATC

AGCGG**ACCG**ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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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: [NM_001242769.2](#)

RefSeq Size: 1072 bp

RefSeq ORF: 828 bp

Locus ID: 25902

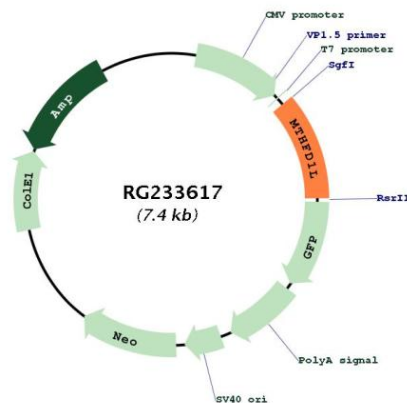
UniProt ID: [Q6UB35](#)

Cytogenetics: 6q25.1

Protein Pathways: Glyoxylate and dicarboxylate metabolism, Metabolic pathways, One carbon pool by folate

Gene Summary: The protein encoded by this gene is involved in the synthesis of tetrahydrofolate (THF) in the mitochondrion. THF is important in the de novo synthesis of purines and thymidylate and in the regeneration of methionine from homocysteine. Several transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Jun 2011]

Product images:



Circular map for RG233617