

Product datasheet for **SC330006**

MTHFD1L (NM_001242768) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MTHFD1L (NM_001242768) Human Untagged Clone
Tag:	Tag Free
Symbol:	MTHFD1L
Synonyms:	dj292B18.2; FTHFSDC1; MTC1THFS
Vector:	pCMV6-Entry (PS100001)



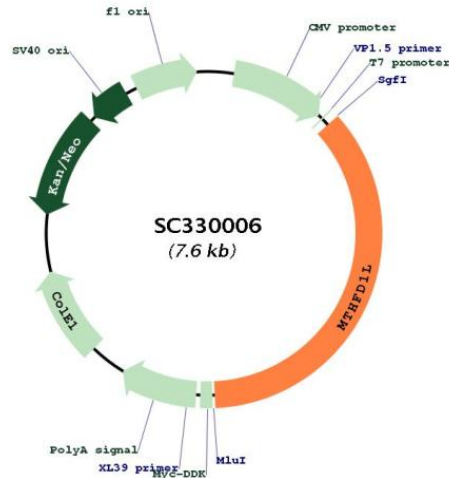
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Fully Sequenced ORF: >SC330006 representing NM_001242768.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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Restriction Sites: SgfI-MluI

Plasmid Map:


ACCN: NM_001242768

Insert Size: 2742 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:

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_001242768.1](#)

RefSeq Size: 3174 bp

RefSeq ORF: 2742 bp

Locus ID: 25902

UniProt ID: [Q6UB35](#)

Cytogenetics: 6q25.1

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

MW: 99.3 kDa

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]

Transcript Variant: This variant (3) differs in the 5' UTR and coding sequence compared to variant 1. The resulting isoform (3) has a shorter and distinct N-terminus compared to isoform 1.