

Product datasheet for SC329557

MTHFS (NM_001199758) Human Untagged Clone

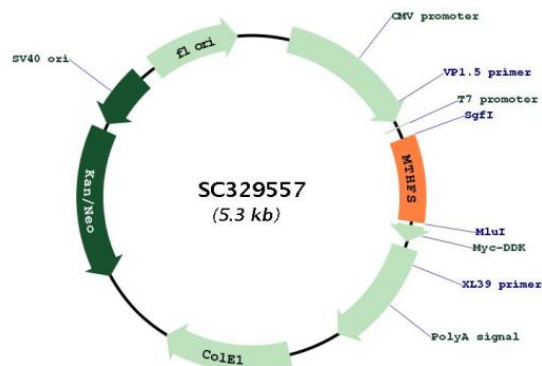
Product data:

Product Type:	Expression Plasmids
Product Name:	MTHFS (NM_001199758) Human Untagged Clone
Tag:	Tag Free
Symbol:	MTHFS
Synonyms:	HsT19268; NEDMEHM
Vector:	pCMV6-Entry (PS100001)
Fully Sequenced ORF:	>SC329557 representing NM_001199758. Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
ATGCAAGATGAAATTGAGACAGAAGAGATCATCAAGGACATTTTCCAACGAGGCAAAATCTGCTTCATC
CCTCGGTACCGGTTCCAGAGCAATCACATGGATATGGTGAGAATAGAATCACCAGAGGAAATTTCTTTA
CTTCCCAAACATCCTGGAATATCCCTCAGCCTGGTGAGGGTGATGTTCCGGGAGGAGGCCTTGCCACA
GGGGGACTTGATCTCATCTTCATGCCAGGCCTTGGGTTTGACAAACATGGCAACCGACTGGGGAGGGGC
AAGGGCTACTATGATGCCTATCTGAAGCGCTGTTTGAGCATCAGGAAGTGAAGCCCTACACCCTGGCG
TTGGCTTTCAAAGAACAGATTTGCTCCAGGTCCAGTGAATGAAAACGACATGAAGGTAGATGAAGTC
CTTTACGAAGACTCGTCAACAGCTTAA
```

Restriction Sites: SgfI-MluI

Plasmid Map:



[View online »](#)

ACCN:	NM_001199758
Insert Size:	441 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:	NM_001199758.1
RefSeq Size:	2293 bp
RefSeq ORF:	441 bp
Locus ID:	10588
UniProt ID:	P49914
Cytogenetics:	15q25.1
Protein Pathways:	Metabolic pathways, One carbon pool by folate
MW:	16.8 kDa
Gene Summary:	<p>The protein encoded by this gene is an enzyme that catalyzes the conversion of 5-formyltetrahydrofolate to 5,10-methenyltetrahydrofolate, a precursor of reduced folates involved in 1-carbon metabolism. An increased activity of the encoded protein can result in an increased folate turnover rate and folate depletion. Three transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq, Jun 2011]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at a downstream start codon, compared to variant 1. The encoded isoform (b) is shorter than isoform a. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>