

Product datasheet for **SC111401**

MTHFSD (NM_022764) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MTHFSD (NM_022764) Human Untagged Clone
Tag:	Tag Free
Symbol:	MTHFSD
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for NM_022764, the custom clone sequence may differ by one or more nucleotides

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ATGGAGCCGAGGGCAGGTGTCTCCAAACAGGACATACGTGAACAAATTTGGGGCTACATGGAATCACAAA  
ATTTAGCTGACTTCCCGACCTGTTTCATCACAGGATACCCAACCTTAAGGGGTCTTATCTGGCTTGCCA  
AAACATCAAAGACCTAGACGTTTTTCCAGAACACAGGAAGTTAAAGTGGACCCTGATAAACCCTGGAA  
GGCGTTCCGGCTGCTGGTGTGCAGAGCAAAAAACATTGTTGGTTCCAACACCACGACTGAGAACGGGAT  
TGTTAATAAGATCACACCACCCCTGGGGCACTAAAGACATCTTGAGAAAATGTCCACCTCTCAGGG  
TGTGAGGAACTACAGTGTCCCCATAGGCTTGGACTCCAGAGTCCCTCGTGATTTAGTTGTGGTGGGATCC  
GTCGCCGTTTCTGAAAAAGGCTGGAGAATCGGGAAGGGAGAAGGCTACGCCGATCTGGAATATGCCATGA  
TGGTATCCATGGGCGCCGTGAGCAAGGAGACGCCGGTGGTACCATCGTCCACGACTGCCAGGTCGTGGA  
CATCCCTGAAGAGCTTGTGAGGAGCAGCAGATCACTGTGGACTACATCCTCACTCCAACCAGAGTCATC  
GCCACAGGCTGCAAGCGCCCAAAGCCAATGGGAATCACCTGGTTCAAGATCAGCCTGGAGATGATGGAGA  
AAATCCCATACTGAGGAGCCTCCGCGCCGAGAGCAGCAGGCTGGGAAGGATGTCACCTCCAGGGTGA  
GCACCAGCACCTCCGGAACCAGGCTGCCAGCAGACAGTCCCCCTGAGTGTGGCAGGAGGCCCCCGGAC  
ACACCCGACAGAAACCAATTCATGGAGGCAGCCCCTGGCTCCCACCAGGGGAGGGTGCCCCGCTTG  
CAGCCGATGTTTACGTTGGGAACCTCCCGGGGACGCCCGTGTGAGTGACCTGAAGAGAGCCTGCGGGGA  
ACTCGGCTCCGTCGCCCTGCGGCTCACCTGGCAGGGCCCGCGGCGCAGAGCCTTCTCCATTACCCGGAC  
TCTGCCGAGCCAGCAGGCCGTCTCTGCTTGCAGGGCCTGCGCCTGGGCACCGACACCCTGAGGGTGG  
CGCTGGCCAGGCAGCAGAGGGACAAGTGA
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_022764 unedited TGTAATACGACTTACTATAGGGCGGCCGGAATTCGGCACGAGGGGGCGCCGGGAAGCGT CGCACAGCGACTGCATCACCATGGAGCCGAGGGCAGGTGTCTCCAACAGGACATACGTG AACAAATTTGGGGCTACATGGAATCACAAAATTTAGCTGACTTTCCCGACCTGTTTCATC ACAGGATACCCAACTTTAAGGGCGCTTCTCATGCTGCCGAGCAACTCCCACGCTTGCAGG CGTTCAAACGGCCAGGACCATTAAGTAAATCCTGATGCCCCAGAAAAGTGTCTCGT TCTTCGTCCTTGAAAGCAAAAAACATTGTTGGTTCCAACACCAGACTGAGAACGGGAT TGTTTAATAAGATCACACCACCCCTGGGGCAACTAAAGACATCTTGAGAAAATGTGCCA CCTCTCAGGGTGTGAGGAACACAGTGTCCCATAGGCTTGACTCCAGAGTCTCTCGTGG ATTTAGTTGTGGTGGGATCCGTCGCCGTTTCTGAAAAAGGCTGGAGAATCGGAAGGGAG AAGGCTACGCCGATCTGGAATATGCCATGATGGTATCCATGGGCGCCGTCAGCAAGGAGA CGCCGGTGGTACCATCGTCCACGACTGCCAGGTCGTGGACATCCCTGAAGAGCTTGTG AGGAGCACGACATCACTGTGGACTACATCCTCACTCCAACCAGAGTCATCGCCACAGGCT GCAAGCGCCAAAGCCAATGGGAATCACCTGGTTCAAGATCAGCCTGGAGATGATGGAGA AAATCCCCATACTGAGAGCCTCCGCGCCGAAACANNCAGCTGGNAAAGATGTACCCCT NCAGGGTGAGACCANCACCTTTCGAACCCAGGCTGNCAGCAGACATGCCCT
Restriction Sites:	NotI-NotI
ACCN:	NM_022764
Insert Size:	2500 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:	<u>NM_022764.1, NP_073601.1</u>
RefSeq Size:	3059 bp
RefSeq ORF:	1116 bp
Locus ID:	64779
UniProt ID:	<u>Q2M296</u>
Cytogenetics:	16q24.1
Domains:	5-FTHF_cyc-lig