

Product datasheet for **SC212261**

MTHFD2 (NM_006636) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	MTHFD2 (NM_006636) Human 3' UTR Clone
Symbol:	MTHFD2
Synonyms:	NMDMC
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_006636
Insert Size:	1088 bp
Insert Sequence:	>SC212261 3' UTR clone of NM_006636 The sequence shown below is from the reference sequence of NM_006636. The complete sequence of this clone may contain minor differences, such as SNPs. Red =Cloning site Blue =Stop Codon

CAATTGGCAGAGCTCAGAATTCAAGCGATCGC

AGCGAGAAGTGCTGAAGCTAAAGAGCTTGGGGTAGCCACTAATTA~~ACT~~ACTGTGCTTCTGTGCACAA
ACAGCACTCCAGGCCAGCTCAAGAAGCAAAGCAGGCCAATAGAAATGCAATATTTTAAATTTATTCTACT
GAAATGGTTTTAAATGATGCCTTGTATTTATTGAAAGCTTAAATGGGTGGGTGTTTCTGCACATACTCT
GCAGTACCTCACCAGGGAGCATTCCAGTATCATGCAGGGTCTGTGATCTAGCCAGGAGCAGCCATTAAC
CTAGTGATTAATATGGGAGACATTACCATATGGAGGATGGATGCTTCACTTTGTCAAGCACCTCAGTTAC
ACATTCGCCTTTTCTAGGATTGCATTTCCCAAGTGCTATTGCAATAACAGTTGATACTCATTTTAGGTAC
CAAACCTTTTGTAGTTCAACTGATCAAACCAAAGGAAAAGTGTGCTAGAGAAAATTAGGGAAAAGGTGAA
AAAGAAAAATGGTAGTAATTGAGCAGAAAAAATTAATTTATATGTATTGATTGGCAACCAGATTTA
TCTAAGTAGAACTGAATTGGCTAGGAAAAAAGAAAACTGCATGTTAATCATTTCCTAAGCTGCCTTT
TGAGGCTTAGTCAGTTTATTGGGAAAATGTTTAGGATTATTCCTTGCTATTAGTACTCATTTTATGTATG
TTACCTTCAGTAAGTTCTCCCATTTTAGTTTTCTAGGACTGAAAGGATTCCTTTCTACATTATACATG
TGTGTTGCATATTTGGCTTTTGGCTATATACTTTAACTTCATTGTTAAATTTTTGTATTGTATAGTTTCT
TTGGTGTATCTTAAAACCTATTTTTGAAAAACAACTTGCTTGATAATCATTGGGCAGCTGGGTAAG
TACGCACTTACTTTCCACCAAAGAACTGTCAGCAGCTGCCTGCTTTTCTGTGATGTATGTATCCTGTT
GACTTTCCAGAAATTTTTAAGAGTTTGTAGTTACTATTGAATTAATCAGACTTTCTGATTAAGGGTT
TTCTTTCTTTTTAATAAAACACATCTGTCTGGTATGG

ACGCGT~~AAGCGGCCGCGCATCTAGATT~~CGAAGAAAATGACCG



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Restriction Sites:	Sgfl-Mlul
OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	NM_006636.3
Summary:	This gene encodes a nuclear-encoded mitochondrial bifunctional enzyme with methylenetetrahydrofolate dehydrogenase and methenyltetrahydrofolate cyclohydrolase activities. The enzyme functions as a homodimer and is unique in its absolute requirement for magnesium and inorganic phosphate. Formation of the enzyme-magnesium complex allows binding of NAD. Alternative splicing results in two different transcripts, one protein-coding and the other not protein-coding. This gene has a pseudogene on chromosome 7. [provided by RefSeq, Mar 2009]
Locus ID:	10797