

Product datasheet for **MG220164**

Mthfsd (NM_001166482) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mthfsd (NM_001166482) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Mthfsd
Synonyms: AW049977; BC052066; C920004D05
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG220164 representing NM_001166482
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGACCCAGGAGGTGTCTCCAAACAAGCATACGTGAACGGATTTGGGACTACATGGAATCCCATG
ATATAGCTGACTTCCCGACCCGTTTCATCACAGGATCCCAACTTCAAGGGTGTGCTCAGGCTGCGGG
GCACCTCCACACCTGCAAGCTTCCATGTGGCCAGAACCATTAAAGTCAACCCGGACGCTCCTCAGAGA
AACGCCGCTTCTGGTGTGGAGAGCAAAAAACACTGCTGGTCCCAACACCACGACTGCGAACAGGGC
TGTTTAAACAAGATCACGCCACCCCTGGAGCCACCAAGACATTCTGAGGAAATGTCCACCTCCAGGG
TGTGCGGAATTCAGCGTCCAGTGGGCTTGGATTCCAGTGTCTTGTGGATCTAGTTGTGGTGGGATCT
GTTGCTGTGTCTGAGAAAGGCTGGCGAATTGGGAAAGGGGAAGGCTATGCTGATCTTGAATACGCCATGA
TGGTGTCAATGGGAGCCGTCCACAAGGGGACACCGGTTGTCACAATTGTCCACGACTGCCAGGTCGTAGA
CATCCCGAGGCTCTTGTGGAGGACCACGACCTCACAGTTGACTACATCCTCACTCCACAGGGTCATC
ACTACAGGCTGTGCACGCCAAAGCCAACGGGCATCATGTGGTCCAAGGTCAGCTGTGAGATGCTTACGA
AAATCCCAGTGTCTAGGAACCTCCGGGAGAGAGAGAAACAGGCTGGGAAGGATGTCACTCTCCGGGACGA
GCCTGGCAGCCAGCAGCCAGCTCCAGGCCCATCAGGAGACCCAGGATAGACCACAAACAGGTTCTCGA
GGAGGGTCCCAGTCCCCTGCAGGGGGGACACCCAAGTCCAGTGTGTGTGGGAAACCTGC
CCTTCACTACTCGTGTGGGTGAGCTGAAGAGAGTCCCTCCAGGAGCTGGGGTGGTGGCCCTGAGGCTTAC
CTGGCAGGGGCCACAGCACAGGGCAGTTCTACACTATACAGACTCAGCTGCTGCCAGCAGGCCGCTCT
CTCCTACAGGGCTACGTCTGGGTGCCAACGCTTGGGGTGTCACTGGGCAGCAGAGGGATATG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG220164 representing NM_001166482
 Red=Cloning site Green=Tags(s)

METQEGVSKQSIRERIWDMESHDIADFRPRVHHRIPNFKGAAQAAGHLPHLQAFHVARTIKVNPDPQR
 NARFLVLESKKTLLVPTPRLRTGLFNKI TPPP GATK DILRKCATSQGV RNF SVPVGLDSSVLVDL VVVGS
 VAVSEKGRWIRIGKEGYADLEYAMMVSMGAVHKGTPVVTIVHDCQVVDIPEALVEDHDLTVDYILTPTRVI
 TTGCARP KPTGIMWSKVSC EMLTKIPVLRNLREREKQAGKDVTLRDEPGSQQPAPGPIRRPQDRPQTGSR
 GGSRSPLQGADTQLAATVCVGNLPFTTRVRELKRVLQELGVVPLRLTWQGFQHRVAVLHYTDSAAAQQAAS
 LLQGLRLGANALRVSLGQQQ RDM

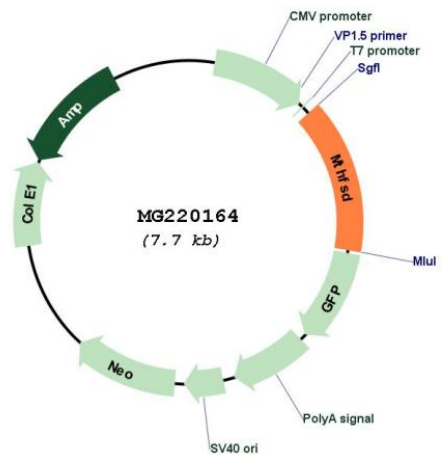
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001166482

ORF Size:	1116 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_001166482.2
RefSeq Size:	1568 bp
RefSeq ORF:	1119 bp
Locus ID:	234814
UniProt ID:	Q3URQ7
Cytogenetics:	8 E1