

Product datasheet for **MR220158**

Mthfsd (NM_172761) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mthfsd (NM_172761) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Mthfsd
Synonyms: AW049977; BC052066; C920004D05
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR220158 representing NM_172761
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGAATCCCATGATATAGCTGACTTTCCCGACCCGTTTCATCACAGGATCCCCAACTTCAAGGGTGTG
CTCAGGCTGCGGGCACCTCCCACACCTGCAAGCTTTCATGTGGCCAGAACCATTAAAGTCAACCCGGA
CGCTCCTCAGAGAAACGCCCGCTTCTGGTGTGGAGAGCAAAAAACACTGCTGGTCCCAACACCACGA
CTGCGAACAGGGCTGTTTAAACAAGATCACGCCACCCCTGGAGCCACCAAGACATTCTGAGGAAATGTG
CCACCTCCAGGGTGTGCGGAATTCAGCGTCCAGTGGGCTTGGATTCCAGTGTCTTGTGGATCTAGT
TGTGGTGGGATCTGTTGCTGTGTCTGAGAAAGGCTGGCGAATGGGAAAGGGGAAGGCTATGCTGATCTT
GAATACGCCATGATGGTGTCAATGGGAGCCGTCCACAAGGGGACACCGGTTGTCACAATTGTCCACGACT
GCCAGGTCGTAGACATCCCCGAGGCTCTTGTGGAGGACCACGACCTCACAGTTGACTACATCCTCACTCC
CACCAGGGTCATCACTACAGGCTGTGCACGCCAAAGCCAACGGGCATCATGTGGTCCAAGGTCAAGTGT
GAGATGCTTACGAAAATCCCAGTGTCTAGGAACCTCCGGGAGAGAGAGAAAACAGGCTGGGAAGGATGTCA
CTCTCCGGGACGAGCCTGGCAGCCAGCAGCCAGCTCCAGGCCCATCAGGAGACCCAGGATAGACCACA
AACAGGTTCTCGAGGAGGGTCCCGTAGTCCCCTGCAGGGGGCGGACACCCAACTAGCTGCCACTGTGTGT
GTGGGAAACCTGCCCTTCACTACTCGTGTGCGTGAGCTGAAGAGAGTCCCTCCAGGAGCTGGGGTGGTGC
CCCTGAGGCTTACCTGGCAGGGGCCACAGCACAGGGCAGTTCTACACTATACAGACTCAGCTGTGCCCA
GCAGGCCGCTCTCTCTACAGGCCTACGTCTGGGTGCCAACGCCTTGAGGGTGTCACTGGGCAGCAG
AGGGATATG

ACGCGTACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR220158 representing NM_172761
 Red=Cloning site Green=Tags(s)

MESHDIADFPRPVHHRIPNFKGAAQAAGHLPHLQAFHVARTIKVNPDPQRNARFLVLESKKTLLVPTPR
 LRTGLFNKITPPPGATKDILRKCATSQGVNRFVSPVGLDSSVLVDL VVVGSVAVSEKGWIRIGKGEYADL
 EYAMVSMGAVHKGTVPVTIVHDCQVVDIPEALVEDHDLTVDYILTPTRVITTCARPKPTGIMWSKVSC
 EMLTKIPVLRNLRERKQAGKDVTLRDEPGSQQPAPGPIRRPQDRPQTGSRGGSRSPLQGADTQLAATVC
 VGNLPFTTRVRELKRVLQELGVVPLRLTWQGPQHRAVLHYTDSAAAQQAASLLQGLRLGANALRVSLGQQ
 RDM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

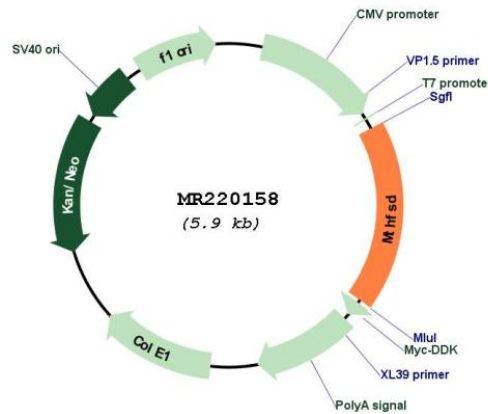
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_172761

ORF Size:	1059 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_172761.4
RefSeq Size:	2444 bp
RefSeq ORF:	1062 bp
Locus ID:	234814
UniProt ID:	Q3URQ7
Cytogenetics:	8 E1
MW:	38.9 kDa