

Product datasheet for **MG220158**

Mthfsd (NM_172761) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mthfsd (NM_172761) 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:	>MG220158 representing NM_172761 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAATCCCATGATATAGCTGACTTTCCCGACCCGTTTCATCACAGGATCCCCAACTTCAAGGGTGCTG
CTCAGGCTGCGGGGCACCTCCCACACCTGCAAGCTTCCATGTGGCCAGAACCATTAAAGTCAACCCGGA
CGCTCCTCAGAGAAACGCCCGCTTCTGGTGTGGAGAGCAAAAAACACTGCTGGTCCCAACACCAGCA
CTGCGAACAGGGCTGTTTAAACAAGATCACGCCACCCCTGGAGCCACAAAGACATTCTGAGGAAATGTG
CCACCTCCAGGGTGTGCGGAATTCAGCGTCCAGTGGGCTTGGATTCCAGTGTCTTGTGGATCTAGT
TGTGGTGGATCTGTTGCTGTGTCTGAGAAAGGCTGGCGAATTGGGAAAGGGGAAGGCTATGCTGATCTT
GAATACGCCATGATGGTGTCAATGGGAGCCGTCCACAAGGGGACACCGGTTGTACAATTGTCCACGACT
GCCAGGTTCGTAGACATCCCCGAGGCTCTTGTGGAGGACCACGACCTCACAGTTGACTACATCCTCACTCC
CACCAGGGTCACTACTACAGGCTGTGCACGCCAAAGCCAACGGGCATCATGTGGTCCAAGGTCAGCTGT
GAGATGCTTACGAAAATCCCAGTGTCTAGGAACCTCCGGGAGAGAGAGAAAACAGGCTGGGAAAGGATGTCA
CTCTCCGGGACGAGCCTGGCAGCCAGCAGCCAGCTCCAGGCCCATCAGGAGACCCAGGATAGACCACA
AACAGTTCTCGAGGAGGGTCCCGTAGTCCCCTGCAGGGGGCGGACCCAACTAGTGCCACTGTGTGT
GTGGGAAACCTGCCCTTCACTACTCGTGTGCGTGAGCTGAAGAGAGTCTCCAGGAGCTGGGGTGGTGC
CCCTGAGGCTTACCTGGCAGGGGCCACAGCACAGGGCAGTTCTACTACTATACAGACTCAGCTGCTGCCCA
GCAGGCCGCTCTCTCTACAGGCCTACGTCTGGGTGCCAACGCCTTGAGGGTGTCACTGGGGCAGCAG
AGGGATATG

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG220158 representing NM_172761
 Red=Cloning site Green=Tags(s)

MESHDIADFPRPVHHRIPNFKGAAQAAGHLPHLQAFHVARTIKVNPDAPQRNARFLVLESKKTLLVPTPR
 LRTGLFNKITPPPGATKDILRKCATSQGVNFSVPVGLDSSVLVDL VVVGSVAVSEKGWRIKGEYADL
 EYAMVSMGAVHKGTPVVTIVHDCQVVDIPEAL VEDHDL TVDYILTPTRVITTCARP KPTGIMWSK VSC
 EMLTKIPVLRNLRERKQAGKDVTLRDEPGSQQPAPGPIRRPQDRPQTGSRGGSRSPLQGADTQLAATVC
 VGNLPTTRVRELKRVLQELGVVPLRLTWQGPQHRAVLHYTDSAAAQAASLLQLRLGANALRVSLGQQ
 RDM

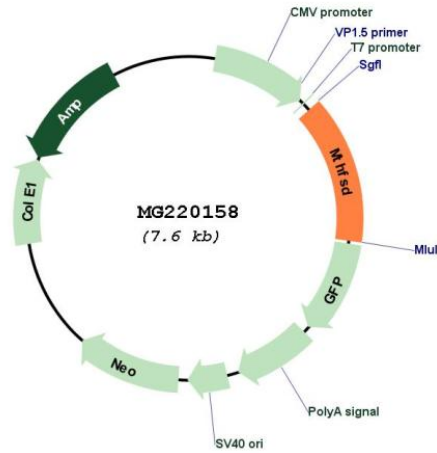
TRTRPLE - GFP Tag - V

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