

Product datasheet for **MG203935**

Mtfr1l (NM_029759) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mtfr1l (NM_029759) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Mtfr1l
Synonyms: 2410166I05Rik; AI480750; Fam54b
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG203935 representing NM_029759
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGGAAGCCAATGTGACTATCCCAATCTGGCAAAACAAGCCACATGGGGCTGCTCGCAGTGTGGTAAGAA
GAATTGGGACCAATCTCCCCCTGAAGCCCTGTCCACGGGCATCCTTTGAGACCCTGCCAACATCTCTGA
CCTGTGTTTGAAGATGTCCCTCCAGTCCCTACTCTGGCTGACATTGCCTGGATTGCTGCAGATGAAGAG
GAAACATATGCTCGGGTCAGGAGTGATACACGCCCTCTGAGACATACCTGGAAGCCTAGCCCTCTGATTG
TCATGCAACGTAATGCCTCAGTGCCCAACCTGCGTGGCTCTGAGGAGAGGCTCCTGGCCCTGAAGAAGCC
GGCCCTGCCTGCCCTGAGCCGCACCACTGAGCTGCAGGATGAGCTCAGCCACCTGCGCAGCCAGATCGCT
AAAATCGTGGCGGAGACGCAGCTTCGGCTTCATTAACACCAGATTTCTTCTCTTCCGGAAGTTCGAATG
TCTCTTCTCCTTTGCCTTGCTTTGGGTCCCTCCACTCTACAACCTTCTTTGTGATTAGTGACATCAC
CGAGGAGACGGAGGTGGAGGTCCCTGAGCTCCCAACCGTCCCCCTACTTTGTTCTGCCAGCCCTGAATGT
TGCAAACCAAGAACAAAACTACCTGCAGCTCGTCTGAAGAGGATGACTGCATCTCTGTCCAAGGCCA
GCAGCTTGCAGACATGATGGGCATCCTGAAGGATTTTACCAGGATAAAACAGAGCCAAGACCTGAGCCG
GAGTTTACTGAAGGAAGAAGACCCTGCTCCTCATCTCTGAGGTCTCAGGAGGAAGTTTGCCTGAAG
GAAGAAGACATCAGTAGAAAAGGGAAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG203935 representing NM_029759
 Red=Cloning site Green=Tags(s)

MEANVTIPIWQNKPHGAARSVRRIGTNLPLKPCPRASFETLPNISDLCLKDVPPVPTLADIAWIAADEE
 ETYARVRS DTRPLRHTWKPSPLIVMQRNASVPNLRGSEERLLALKKPALPALSRTELQDELSHLRSQIA
 KIVAADAASASLTPDFSSGSSNVSSPLPCFGSSLHSTTSFVISEDITEETEVEVPELPTVPLLCSASPEC
 CKPEHKTTCCSSEEDDCISLSKASSFADMMGILKDFHRIKQSQDLSRSLKKEEDPAVLISEVLRKFKALK
 EEDISRKGN

TRTRPLE - GFP Tag - V

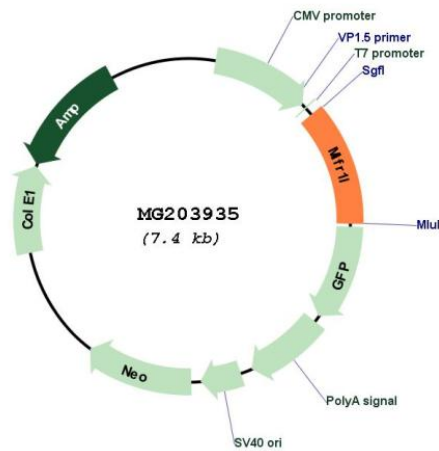
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_029759

ORF Size: 867 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_029759.2
RefSeq Size:	1836 bp
RefSeq ORF:	870 bp
Locus ID:	76824
UniProt ID:	Q9CWE0
Cytogenetics:	4 D3