

Product datasheet for **RG215755**

MTFR1L (NM_001099625) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: MTFR1L (NM_001099625) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: MTFR1L
Synonyms: FAM54B; HYST1888; MST116; MSTP116
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG215755 representing NM_001099625
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGATCGCC

ATGTCAGGAATGGAAGCCACTGTGACCATCCCAATCTGGCAAACAAGCCACATGGGGCTGCTCGAAGTG
 TAGTAAGAAGAATTGGGACCAACCTACCCTTGAAGCCGTGTGCCCGGGCGTCCTTTGAGACCCTGCCAA
 CATCTCTGACCTGTGTTTGTAGAGATGTGCCCCAGTCCCTACCCTGGCTGACATCGCCTGGATTGCTGCG
 GATGAAGAGGAGACATATGCCCGGGTCAAGAGTGATACGCGCCCCCTGAGGCACACCTGGAAACCCAGCC
 CTCTGATTGTCATGCAGCGCAATGCCTCTGTTCCCAACCTGCGTGGGTCGAGGAGAGGCTTCTGGCCCT
 GAAGAAGCCAGCTCTGCCAGCCCTAAGCCGCACTACTGAGCTGCAGGACGAGCTGAGCCACTTGCGCAGC
 CAGATTGCAAAGATAGTGGCAGCTGATGCAGCTTCGGCTTCATTAACGCCAGATTTCTTATCTCCAGGAA
 GTTCAAATGTCTCTTCTCCCTTACCTTGTGTTTGGATCCTCATTCCACTCTACAACCTCCTTTGTCTAGT
 TGACATCACCGAGGAGACAGAGGTGGAGGTCCCTGAGCTTCCATCAGTCCCCCTGCTTTGTTCTGCCAGC
 CCTGAATGTTGCAAACAGAACACAAAGCTGCCTGCAGTTCGCTGAAGAGGATGACTGCGTCTCTTTGT
 CCAAGGCCAGCAGCTTTGCAGACATGATGGGTATCCTGAAGGACTTTCACCGAATGAAACAGAGTCAAGA
 TCTGAACCGGAGTTTATTGAAGGAGGAAGACCCCTGCTGTGCTTATCTCTGAGGTCTAAGGAGGAAGTTT
 GCTCTAAAGGAAGAAGATATCAGTAGAAAAGGAAAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG215755 representing NM_001099625
 Red=Cloning site Green=Tags(s)

MSGMEATVTIPIWQNKPHGAARSVVRIRIGTNLPLKPCARASFETLPNISDLCLRDVPPVPTLADIAWIAA
 DEEETYARVRS DTRPLRHTWKPSPLIVMQRNASVPNLRGSEERLLALKKPALPALSR TTELQDEL SHLRS
 QIAKIVAADAASALTPDFLSPGSSNVSSPLPCFGSSFHSTTSFVVISDITEETEVEPELPSVPLLCSAS
 PECCCKPEHKAACSSSEEDDCVSLSKASSFADMMGILKDFHRMKQSQDLNRSLLKEEDPAVLI SEVLR RKF
 ALKEEDISRKGN

TRTRPLE - GFP Tag - V

Restriction Sites:

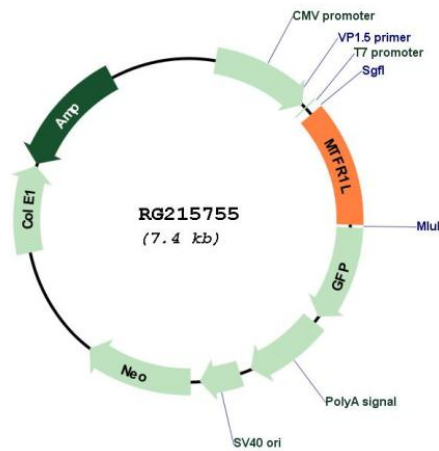
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_001099625

ORF Size: 876 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_001099625.2
RefSeq Size:	2022 bp
RefSeq ORF:	879 bp
Locus ID:	56181
UniProt ID:	Q9H019
Cytogenetics:	1p36.11