

Product datasheet for **MG206037**

Mtfmt (NM_027134) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mtfmt (NM_027134) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Mtfmt
Synonyms: 2310020P08Rik
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG206037 representing NM_027134
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCTCCTCCGCGGTGCTGCTGGGGTCCGGTGGCTGATGGGAAGGAGGCCACGCTGTTCTGTCAAGCAC
 CTGCCGGGTTTCGACGGGAAGGACGGCCGAGGCTCCCGAGTCCGCGAGAAGCCGCTTGCCGGGTGCTGTT
 CCTCGGCACCGACCACTTTGCCCGGAAACGCTGCGGGCGCTGCACGCCCCAGAGACGGCAAAGAGGAA
 AAGTTAATTGAGAACTGGAGGTTGTACAGTGCCTTCGCTATCCCCAAAGGACTACCTGTGAAGCAAT
 ATGCTATTCAGTCTCAGTCCCGGTGTACGAGTGGCCCGACGTGGGATCTGGAGAATATGATGTTGGGGT
 AGTGGCTTCCTTTGGCCGGCTTTTGTAGTGGGCTCTTATCTTAAATTTCCCTACGCCTACTGAATGTG
 CACCCAGTTGCCTCCCAAGGTGGCGTGGTCCCGCTCCGATAATCCACACGGTGTTCATGGAGACTGT
 TCACTGGCGTAACGATTATGCAAAATAGACCCAAAAGATTTGATATAGGCCCAATTCACAGCAGGAAAC
 CATCCCTGTGCCTCCCAAGAGCACATCAAAGGAATTGGAAGCAGTGTGTCAAACCTTGGTGCCAACATG
 CTTATCTCAGTTTTGAAAAATCTGCCGAAAGTCTGAACAATGGAAGGCCGAGCCAGCCGAGGGAGTGA
 CATATGCCCCCAAGTCTCTGCTGGCACCAGCTGTGTCAAGTGGGAGGAGCAAACCTCAGAGCAAGTACT
 CAGACTCACCTTGCCATTGGGGATATAGTCCCCTGCAGACGCTCTGGATGGAGAACACCGTTAACTT
 CTGGATCTCGTAGAAGTTAACTCCATCCTTGCAGATCCGAAATTAACAGGACAACTGTAACCTCCGG
 GATCCGTGGTGTACCACAGACCATCGAAATGCTGCTGGTTCGCTGTAAGGATGGCTGGATCGGTGTTCCG
 GTCAGTAAATGCTTAAGAAAACACTAACAGCTACTGATTTCTACAATGGATATTTGCATGCGTGGTACCAG
 AAAAAATCCACGCTCACCAAGCCAGTGCAGATTTAGACTCTCAGACTTCCAACAAAGATGCAGCAGA
 AAACAAAGTTGTTGCTATGCAACAGTGCATTAAGTAGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206037 representing NM_027134
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MLLPRCCWGRWLMGRRPRCSCQAPAGFDGKDGRGSRVREKPPWRVFLGTDHFARETLRALHAARDGKEE
 KLIEKLEVVTVPSLSPKGLPVKQYAIQSQLPVYEWPDVGSGEYDVGVVASFGRLLSEALILKFPYGILNV
 HPSCLPWRWGPAPIIHTVLHGDTVGTIMQIRPKRFDIGPILQQETIPVPPKSTSKELEAVLSKLGANM
 LISVLKNLPESLNNRGPQPAEGVTYAPKVSAGTSCVKWEEQTSQVLRHLAIGDIVPLQTLWMENTVKL
 LDLVEVNNSILADPKLTGQTVTPGVSVVYHRPSQMLLVRCKDGIWVRSVMLKKTLTATDFYNGYLHAWYQ
 KNSHAHPSQCRFQTLRLPTKMQQKTKLLLCNSALSS

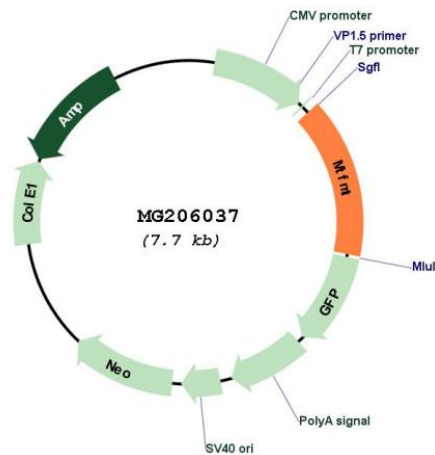
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_027134

ORF Size:	1158 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_027134.1 , NP_081410.1
RefSeq Size:	1391 bp
RefSeq ORF:	1161 bp
Locus ID:	69606
UniProt ID:	Q9D799
Cytogenetics:	9 C
Gene Summary:	Formylates methionyl-tRNA in mitochondria. A single tRNA(Met) gene gives rise to both an initiator and an elongator species via an unknown mechanism (By similarity). [UniProtKB/Swiss-Prot Function]