

Product datasheet for **MG201839**

MrpIII (NM_025553) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Tag: TurboGFP
Symbol: MrpIII
Synonyms: 2410001P07Rik; Ll1mt
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >MG201839 representing NM_025553
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGTCCAAGCTAAGCCGGGCCACTCGGACCCTCAAGAAGCCCGAGGCCGGCGGTGATCCGGTCCATCG
 TGCGAGCAGGCCAAGCTATTCTGGGCTCCACTAGGTCCCATCTTGGGTGAGGAGGTGTCTCTATCAA
 CCAGTCTGCAAAGAGTTCAACGAGAAGACAAAGGACATCAAAGAAGGCATCCCTGCCTACAAAAATT
 TTTATAAGCCCGACAGGACATTTGAGCTCAAGATTGGGCAGCCACTGTTTCTACTTTTTGAAGGCAG
 CTGCTGGGATCGAGAAGGGGGCCCGCATACAGGAAAAGAGGTGGCAGGCCTGGTGAGTTTGAAGCACGT
 ATATGAGATTGCCTGTGTCAAAGCTAAGGATGATGCTTTTGGCATGCAAGATGTGCCCTGTCTTCTGTG
 GTCCGTTCCATCATTGGCTCTGCCGTTCCCTGGGCATTGAGTGGTGAAGGACCTCAGTGCAGAAGAAC
 TGGAGGCTTCCAGAAGGAACGAGCTGTGTTTTGGCTGCTCAGAAAGAGGCAGATTGGCAGCCAGGC
 AGAAGCTGCCAAGAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG201839 representing NM_025553
 Red=Cloning site Green=Tags(s)

MSKLSRATRTLKKPEAGGVIRSIVRAGQAIPGPPLGPLGQRGVSIHQFCKEFNEKTKDIKEGIPLPTKI
 FIKPDRTFELKIGOPTVSYFLKAAAAGIEKGARHTGKEVAGLVSLKHVYEIACVKAKDDAFAMQDVPLSSV
 VRSIIGSARSLGIRVVKDLSAEELEAFQKERAVFLAAQKEADLAAQAEAAKK

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



Cloning Scheme:


ACCN: NM_025553

ORF Size: 576 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:**
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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_025553.4](#), [NP_079829.1](#)

RefSeq Size: 2882 bp

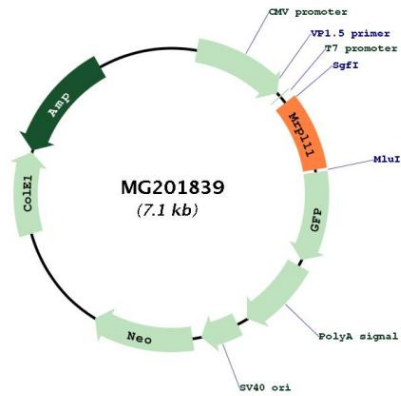
RefSeq ORF: 579 bp

Locus ID: 66419

UniProt ID: [Q9CQF0](#)

Cytogenetics: 19 A

Product images:



Circular map for MG201839