

## Product datasheet for **MG203976**

### Mlec (NM\_175403) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Mlec (NM\_175403) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Mlec  
**Synonyms:** 2410014A08Rik; AI850530; ESTM19; mKIAA0152; X83352  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG203976 representing NM\_175403  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGCTGAGGCCCGGGGAGCCGAGGGAACCGCTGTGGCGTTCTCCGGCTGCTTCTGTTGCTGCTGCTGC  
 TGGGACCGAAGCTCCGGGGTCCGGGGCTCGGCGTGGTCCGGCGCCCGGGGCCGGACTGCCGAGAGCGT  
 CATCTGGCAGTGAACGCAGGCGCGGAGGCGCATGTGGACGTGCACGGGATCCACTTCCGCAAGGACCT  
 CTGGAAGGCCGGTGGCCGAGCCTCGGACTATGGCATGAACTGCCGATCCTGCGCTCCACCCCGGAGG  
 ACCAGATCCTATATCAGACAGAGCGGTACAATGAAGAGACCTTTGGCTACGAAGTACCCGTC AAGGAGGA  
 GGGCGACTATGTGCTGGTGTGAAGTTTGTGAGGTCTACTTTGCACAGTCTCAGCAGAAGGTGTTTGAT  
 GTCCGGTTGAATGGCCATGTGGTGGTGAAGGACTTGGACATCTTTGACCGTGTCCGGGCACAGCACGGCCC  
 ATGATGAAATCATCCCGATGAGCATCAGGAAGGGGAAGCTGAGTGTCCGGGGGGAGGTGTCCACCTTAC  
 AGGGAAGCTATACATCGAGTTTGTCAAGGGTACTATGACAATCCCAAAGTCTGTGCACTCTACATCCTG  
 GCTGGGACAGTAGACGATGTACCAAGCTGCAGCCTCATCCAGGATTGGAAAAGAAAGAAGAGGAGGAGG  
 AGGAGGAGGAATATGATGAGGGGTCTAATCTCAAAGACAGACCAACAAGAACAGGGTGCAGTCAAGCCC  
 CCGCACGCCTAACCCCTATGCCTCGGACAACAGCAGCCTCATGTTCCCTATCCTGGTGGCCTTCGGAGTG  
 TTCATTCAACCCTTTCTGCCTCTGCCGCTTG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG203976 representing NM\_175403  
 Red=Cloning site Green=Tags(s)

MLRPRGAEGTAVALLRLLLLLLLLGPKLRGPGLVVGAAGAGLPESVIWAVNAGGEAHVDVHGIHFRKDP  
 LEGRVGRASDYGMLPILRSTPEDQILYQTERYNEETFGYEVVKEEGDYVLVLKFAEVYFAQSQQKVFD  
 VRLNGHVVKDLDFDRVGHSTAHEIIPMSIRKGLSVRGEVSTFTGKLYIEFVKGYDNPVKCALYIL  
 AGTVDDVPKLQHPGLEKKEEEEEEEYDEGSNLKRQTNKNRVQSGPRTPNPYASDNSSLMFPILVAFGV  
 FIPTLFCLCRL

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_175403

**ORF Size:** 873 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.

**RefSeq:** [NM\\_175403.3](#)

**RefSeq Size:** 3816 bp

**RefSeq ORF:** 876 bp

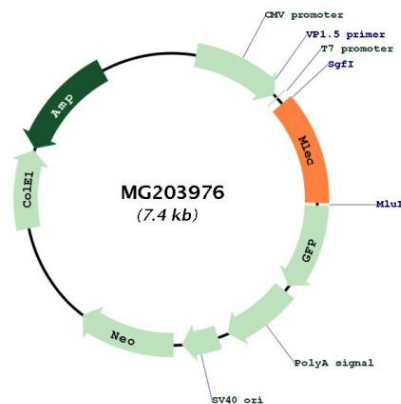
**Locus ID:** 109154

**UniProt ID:** [Q6ZQI3](#)

**Cytogenetics:** 5 55.99 cM

**Gene Summary:** Carbohydrate-binding protein with a strong ligand preference for Glc2-N-glycan. May play a role in the early steps of protein N-glycosylation (By similarity).[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MG203976