

## Product datasheet for **MG202176**

### Mrpl22 (NM\_175001) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Mrpl22 (NM\_175001) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Mrpl22  
**Synonyms:** E030011D16Rik; HSPC158; MRP-L25; Rpml25  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG202176 representing NM\_175001  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCGGCCGCACTACTGCGAGAGTTGGGTGCACTGAGGGTACCTAACCTGAGGATCTGGGCAACGCAGA  
 CGCTGCGGGTTTTACCCCGTCGTCATCCACAGAGTGCTTCTTTGACATTTCTCGCAAATGGGAGAA  
 GAAGAATAAGATTGTTTACCCACCTCAACTGCCTGGCGAACCTCGGAGACCAGCGGAAATTTACCATTGT  
 CGGAGACAATAAATACAGCAAGGACAAGATGTGGTACCTGGCAAAGATGATACGAGGCATGTCCATTG  
 ATCAGGCTTTGGCGCAGCTGGAGTTCAATGATAAAAAGGGGGCTCAAATCATTAAAGAGTTCTCTTAGA  
 AGCACAAGACATGGCAGTGAGAGACCATAATGTGGAATTCAGATCCAACCTACACATAGCTGAGTCTACC  
 TCAGGCCGAGGCCAGTGCCTGAAGCGCATCCGTTACCATGGCCGAGGTCGCTTTGGCATTATGGAGAAGG  
 TCTATTGCCACTATTTTGTAAAGCTGGTGGAAAGGACCCCTCCCCACCCGAAGTACCCAAGACAGCAGT  
 TGACCACGCCAAGGACTATTCAGCAGCTTCGCAGCCGACCATCATCCATACTCTA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >MG202176 representing NM\_175001  
 Red=Cloning site Green=Tags(s)

MAAALLRELGALRVPNLRIWATQTLRLVLPSCIHSTASLDIRKWEKKNKIVYPPQLPGEPRRPAEIIYHC  
 RRQIKYSKDKMWYLAKMIRGMSIDQALAQLEFNDKKAQIIKEVLLAQDMAVRDHNVEFRSNLHIAEST  
 SGRGQCLKRIRYHGRGRFGIMEKVYCHYFVKLVEGPPPPPEVPKTAVDHAKDYIQQLRSRTIIHTL

**TRTRPLE** - GFP Tag - V

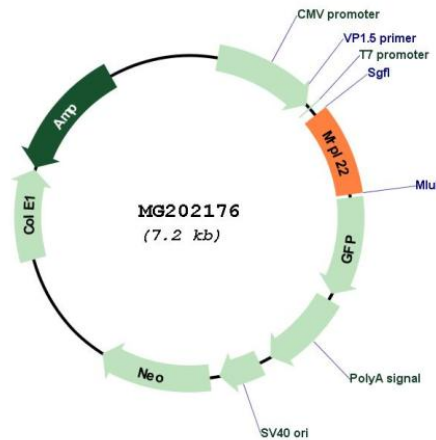
**Restriction Sites:** SgfI-MluI



Cloning Scheme:



Plasmid Map:



ACCN: NM\_175001

ORF Size: 618 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\_175001.5

**RefSeq Size:** 723 bp

**RefSeq ORF:** 621 bp

**Locus ID:** 216767

**UniProt ID:** Q8BU88

**Cytogenetics:** 11 B1.3