

## Product datasheet for **MG214978**

### Gm13305 (NM\_001099348) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Gm13305
Synonyms:	OTTMUSG00000011351
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

**ORF Nucleotide Sequence:** >MG214978 representing NM\_001099348  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGAGCAGCAGCTGCTCAGGGCTGACCAGGGTCTGGTGCCGTGGCTACAGCCCTGGTGTCTTCTCTCT  
CCCCCTGCCCCCAAGCTTGGGGTCTCCAGGGGTCCAGTATGGACAACCTGGCAGGCCCGTGATGCTGTG  
CTGCCCCGGAGTGAGTGTGGGACTCCAGTGTCTGGTTTCGGGATGGAGATTCAAGGCTGCTCCAGGGA  
CCTGACTCTGGGTAGGACACAGACTGGTCTTGGCCAGGTGGACAGCCCTGATGAAGGCACTTATGTCT  
GCCAGACCCTGGATGGTGTATCAGGGGCGATGGTGACCCTGAAGCTGGGCTTTCCCCAGCACGTCCTGA  
AGTCTCTTGCCAAGCGGTAGACTATGAAAACCTTCTCCTGTACTTGGAGTCCAGGCCAGGTACGCGTTTG  
CCCACCCGCTACCTTACTTCTACAGGAAGAAGACGCTGCCAGGAGCTGAGAGTCAGAGGAAAGTCCAT  
CCACCGGGCCTTGGCCGTGTCCACAGGACCCTCTGGAGCCCTCCCGATGTGTGGTCCATGGGGCAGAGTT  
CTGGAGTGAGTACCGGATCAATGTGACCGAGGTGAACCCACTGGGTGCCAGCACGTCGCTACTGGATGTG  
AGATTACAGAGCATCTTGCCTCCGATCCACCCCAAGGACTGCGGGTGGAAATCCGTACCTGGTTACCCAA  
GACGCCTGCATGCCAGCTGGACATACCCTGCCTCCTGGCGTCGCCAACCCCACTTTCTGCTCAAGTTCCG  
GTTGCAATACCGACCAGCACAGCATCCAGCCTGGTCCACGGTGGAGCCCAATTGGCTTGGAGGAAGTGATA  
ACAGATACTGTGGCTGGGCTGCCACGCGGTACGAGTCAAGTCCAGGGACTTTCTGGATGCTGGCACCT  
GGAGCGCCTGGAGCCCAGAGGCTGGGTAAGTCTAGCACTGGTCTCCTGCAGGATGAGATACCTGATTG  
GAGCCAGGGACATGGACAGCAGCTAGAGGCAGTAGTCTCAGGAGGACAGCCTGGCTCCTGCAAGGCT  
TCCTTGAGCCAGACCAAGGCCACTTGATCACAGGGATCCCTGGAGCAAGTAGCTGTGTAGCATCTC  
TGGGAATCTTCTTGCCTTGGCTGGCTGTTGGAGCCCTGGCACTGGGGCTCTGGCTGAGGCTGAGACG  
GAGTGGGAAGGAAGGACCGCAAAAACCTGGGCTCTTGGCACCCATGATCCCGTGGAAAAGCTTCCAGGA  
ATTCCAAACCTGCAGAGGACCCAGAGAACTTCAGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



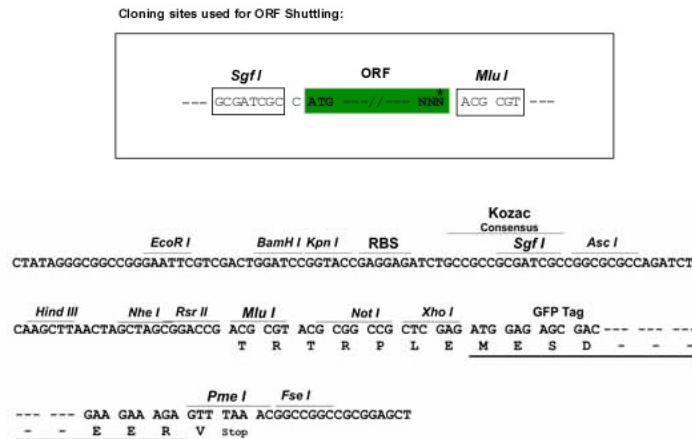
**Protein Sequence:** >MG214978 representing NM\_001099348  
 Red=Cloning site Green=Tags(s)

```
MSSSSSGLTRVLVAVATALVSSSSPCQAWGPPGVQYQPGRPVMLCCPGVSAGTPVSWFRDGSRLQG
PDSGLGHRVLVAQVSDPEGTYYCQTLDGVS GGMVTLKLGFPARPEVSCQAVDYENFSCTWSPGQV SGL
PTRYLTSYRKKTLPGAESQRESPSTGPWPCQDPLEASRCVHGAEFWSEYRINVTENVPLGASTCLLDV
RLQSI LRPDP PQGLRVESVPGYPRRLHASWTYPASWRRQPHFLKFR LQYRPAQHPAWSTVEPIGLEEVI
TDTVAGLPHAVRVSARDFLDAGTWSAWSPEAWGTPSTGLLQDEIPDWSQGHGQQL EAVVAQEDSLAPARP
SLQPPRPLDHRDPLEQVAVLASLGIF SCLGLAVGALALGLWLRRLRRSGKEGPKPGLLAPMIPVEKLPG
IPNLQRTPENFS
```

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001099348

**ORF Size:** 1296 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\\_001099348.1](#), [NP\\_001092818.1](#)

**RefSeq Size:** 1953 bp

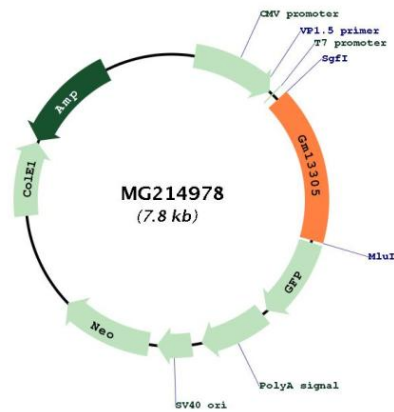
**RefSeq ORF:** 1299 bp

**Locus ID:** 100042555

**UniProt ID:** [P70225](#)

**Cytogenetics:** 4

**Product images:**



Circular map for MG214978