

## Product datasheet for **MG214526**

### Gm14151 (NM\_001097977) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Gm14151
Synonyms:	OTTMUSG00000015806
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



**ORF Nucleotide Sequence:** >MG214526 representing NM\_001097977  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGAAGAGATGGCAAGTATGTCAGGACCTCAGGTCTAACACCTTTGAAGAAGCTGCCTTAACAGAACACT  
 ATGAAATATTAACAACTCTGGCCAAGGAACATTTGGGGATGTAAAACCTGGCGAACCATCTCGTACCCCA  
 GACTAAGGTAGCAATAAAAAATCCTCCCCAAAACAGGAAAAACCCCTTGTCCAACCTGAAATTAATC  
 ATGAAATCCCTTGACCATCCCCATATTATTAACCTTTTACACATAATCGACACCACCAGAAACATTTTCA  
 TCGTTCTGGAGCATGCTGTGGGAGGAGAGCTGATGAACAGAATTGAAGAGTTTGGCTATCTAGCAGAGGT  
 GGAGTCCACAGGCTGTTTAAACAGCTGGTCTATGCCCTCCAGTATTGTATGAGAAAAGGGATTGTCCAC  
 AGGGATTTAAAGCCAGAAAAACATTTTATTGGACCACAGAGGAAATGTAAAGCTTACTGATTTTGGATTGG  
 GCACCAAGATAATCATGGGCCAGAAGCTGGTCACGTTCTGTGGAACCCCTCCCTACTGTGCCCCAGAAGT  
 GTTTGAAGATAGAGGGTATGATGGCCGGGCCACTGATGTCTGGAGCTTGGGGTTGTGCTTTATTTTATG  
 GCCACAGGGTGCCTTCCTTCAATGGATATAGCTATGAAGCAATAAAGCAGAAGATCATTGCAGGAAAGT  
 ACCCTAGGAGTTTCACTGTGTCACCAGAACTTTGGGAGGTGATAGCCAAGTTGTAACCTGTCAACCCCTGG  
 AGAGAGGCCAACAGTCCATGACATTGCCAGATTAAGTGGCTAAAGCCTGACAACGAAGCTTCTCCCGCT  
 TCTTTGGGAGAGAACATTGAGAGTCACCCGGACCCCTCTAATGGTACTCATGGGTGTCATGGGATACA  
 ATCCAGGAGAGATAAGAGAAAAGTTTTCGGGAGAAAAAATTCGACCAGGTGATGGCTACTTATTTAATGCT  
 CAAACAAAGCTCAGCCTGGGAAAAACAAGACAACAAAAAACAGATCCAAGGCTATGTGATAGAATGTTG  
 AGAAGCACAGAGCCAACATAAAAAACCAACAGCTGTAAAGAGGGCATCTAGTGTGCCTACACATTCCA  
 CTTTCAGTTTGCCCAATGAATCAGAAAGTCTTGAAGGGGAAAGAGAATACAATGAGCCACTCTATGCC  
 ACCCAGCGGAAGTGCCTCAACGAGGAGACAACCTCCACTCCACAGTATCTGCCCCAGCTTGTCCAGAAG  
 GCTCACTACAGGAGGAGCATCTGGGGGAGACAGAGATCAGTGACACCTCAGAAGAAAGCTCTACTGGAG  
 AGTCTTTGGAACATCCATCACTGAAAATCCACACCCCTCCAGACATCCATGGGTGTGTCCAAAGCTGGATC  
 TACCTATTCAAAGAGCAAGGGGTCTTACAGTGTGTTTCTTCTCATCATACCTCTGTGGAAGAAGACCAG  
 TGTGAGGGCACCAACATATCCAGAGAGATCAACCCACCTCTTTCACCAAGTCTCGCCTCAGGAGAACCTCA  
 TGGGACAGCTCCACATTGTGACTACAGCTGGTCAATGGACATCATGAACACACAAGTTACATCACCTCC  
 ATTCTCCAGGAAGGAGGCCAAGGGTGGGGTCTGCTATACAACAGAGAGAGTCCAGACCATCTCCCA  
 AATACACTCCAGGACACCTCCATGGCAGGCATCAGACTGCGCCCCAGGCCCTTTCAAAGACGGGTCT  
 GGAGGACCCTGAGGAATGGTTTAAATCAGAGGCCTGCGAACTTTATGTTGCTGCCTGCCAATCGAAAAGAG  
 AGTGACCCCGACCAACAACAGAGACCTGGCTGTGAGTCAAAGAGCCAGGGAGGTAGCCATGGTATCAGA  
 GCATTTAGAGGCACTGTGCTCCCTGAAAAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >MG214526 representing NM\_001097977  
 Red=Cloning site Green=Tags(s)

MKRWQVCQDLRSNTFEEAALTEHYEILTTLGQGTGFDVKLANHLVTQTKVAIKILPQNRKNPLVQPEIEI  
 MKSLDHPHIKLLHIIDTTRNIFIVLEHAVGGELMNRIEEFGYLAEVECHRLFQQLVYALQYCHEKGIVH  
 RDLKPENILLDHRGNVKLDFGLGTKIIMGQKLVFCGLTPYCAPELFEDRGYDGRATDVWSLGVVLYFM  
 ATGCLPFNGYSYEAIKQKIIAGKYPRFSLSPELWEVIAKLLTVNPGERPTVHDIARFKWLPDNEASPA  
 SLGENIESHPDPSIMVLMGVMGYNPGEIRESLREKFDQVMATYMLKQSAWENKTTKPPDRMLCDRML  
 RSTEPTIKNQTAVRRASSVPTHSTFSLPNESESLEKGRRTMESHMPPTTRNCFNEETPLHSICPQLVQK  
 AHYRRSIWGETEISDTSSESSGESLEHPSLKIHTLQTSMGVSKAGSTYSKSKGSSQCVSSHHTSVEEDQ  
 CEGTNI SREINPPLSPVSPQENLMGQLHIVTTAGSMDIMNTQVTSPPFSRKEAKGEGPAIQRESRPSSP  
 NTLQGH LHGRHQ TAPQAPFQRRVWR LNRGLIRGLRTLCCCLPIEKRVHPTNRRDLAVSQSKSQGGSHGIR  
 AFRGTVLPEK

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**


**ACCN:** NM\_001097977

**ORF Size:** 1920 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:**

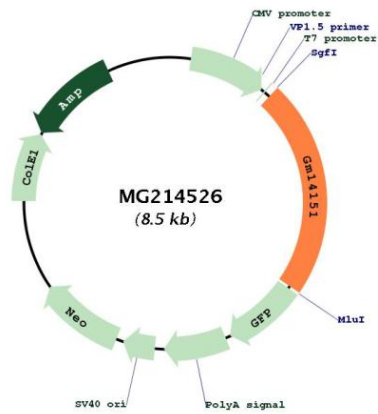
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store 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\\_001097977.1](#), [NP\\_001091446.1](#)

RefSeq Size: 2672 bp  
 RefSeq ORF: 1923 bp  
 Locus ID: 433486  
 Cytogenetics: 2 G3

**Product images:**



Circular map for MG214526