

Product datasheet for **MG214653**

4933412E24Rik (NM_027668) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	4933412E24Rik (NM_027668) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	4933412E24Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG214653 representing NM_027668
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGGCTCTTCTGAGGAGCAGTCTGTTCCAGGCGATGATTTTTATGAGGAGAGTGGAGACCTCAACACGG
 GCTTGAGCCTTGCTTAAGGCCTGCCAAGAGCAACGAGGGTGAAAGCAGCCTCTCAAGTCCCAAAGGCAG
 CAAGCTCACGTTGGTGTCCAGCTGGAAGCGTCAGAGAACCATCCGTGGTGCTTTGGGCGGAGAAATAC
 TGTCCAGATTCCTGGTCCCGAGGAAGAGAGGGTAGGTTCCCAATGGATGAAAAGGTAGTTGGTTTGG
 ACTTCTCTCCCAACCCAGTGTAGAGACTACAGCCACTGGTCAGCAGGTGACCAATCTAGAGACAAAGGG
 AGCCAGAGAACACCCATCCCGAGAGAGCGTTTGTGCTGAGACAGAGGCAGGCTCCATCAGGAGAGCTCCG
 CAAGCTCCGAGGAGGCAAAGTTTGCAGCCTCTGCTGGCACTTTCTTCCCAAGGGACTGGAGCAAAGCA
 GATCTTGGGTACCCCGAGGAAGAGTACCACTAGTAGAATGGTGTATCGGCGAGAATGTCCACCACCCAC
 TTCGAACCTGAACCATTAGACGAATTAATGAAGTACAGATGATGAGAGTGACCATTTGCCTTAAAGAT
 GGGAACCATGGGAACCAGGCTAAGAACAGTGGCCAGCAGAACTGGAGACCTAGCTAGACACTCAAATG
 TCCAGACCAGGGACAGTTTCATGCGGATGCCCTCCTCCCTGCTGGTCTCTACTACCCGGGACTTACCTC
 TGGCGTGGAAAGACAGGCCTCGAAAGAGCCGGAACCCCTTTTCTCTAAGAAAAAGCAAGGCACCTTATGG
 GGTAAAGGAGGAAGCAAGTCCAGCTACCCAGAGGCTGCTGCTGGCATAGGTGCCCTGCCAAGGCCAGTC
 CTAGAAAGAAGATGGCCAGAAGAAAAACCCCTGTGGGATGCCTCAGCAGTTACCCTGGGGAGAGCTTT
 CCATCAATGGGGCCAGAGACTGAAGTCAGCTCCTGCAGAACAGCCACCTTCCCCCAATCTCTGGTGTT
 GGCCTGCCTGGGAGTCCAATAAATGTTCACTGCTGCCTTAAAGCCAAACAGTGAAGAACTTATACA
 CTGGGAAGAGATCTGGGGCAAAGAAGACAAAGGAGTTGCAGTTGGTAGCAAAAAGAAGACACTGATCAAC
 CAGAGACCCAGCTCACAGGTTCAAGTTTCAACACACAGGGCAGAGCCGCTTCCAGAGTGTGCATCAA
 GAATTC AACAGCGGGATATAAACGCCCGAGCCTCCAGGATGCAGGAACTCTCAGTCCTCAGCCCTGA
 ACCAGAGAGGCATCATGTCCAAGAAATCTGTACTCTCTGGTGACCAGGAAGAACCTGTGGGTCTCCAGC
 CCCCATTAGAGATACTACAACACTGGAACACAAGGCTGTCCCGTTGTCCAGAGTTACAGAAGGAA
 ATAGAGGACCTCAGGAAACAATTGTCAGCCCTGCAGGCTGTCAGTGAGAAGTTCCAGACCCATTTAAGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG214653 representing NM_027668
 Red=Cloning site Green=Tags(s)

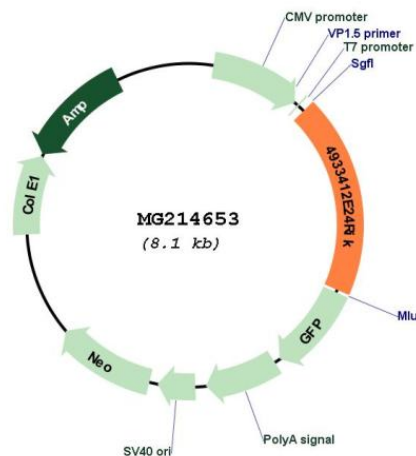
MGSSEEQSVPGDDFYEESGDLNTGLSLVLRPAKSNEGESSLSSPKGSKLTLVSQLEASENPSVVLWAGEY
 CPDSLVP EERVGSPMDEKVVGLDFLSQPSVETTATGQQVTNLETKGAREHPSPEVCAETEAGSIRRAP
 QASEEAKFAASAGTFFPKGLEQSRSWVTPRKSTSRMVI GENVHHPTSEPEPLDELNEVQMMRVTICLKD
 GNHGNQAKNSGPAETGDLARHSNVQTRDSFMRMPSSLLVSTTRGLTSGVERQASKEPEPFSKKKQGLW
 GKGGSKSSYPEAAAGIGALPKASPRKKMAQKKKPLWDASAVTLGRAFHQWQRLKSAPAEPATFPPISGV
 GLPGRSNKCSLLPLRPKQCKNLYTGKRS GAKKTKELQLVAKEDTDSTRDPSSQVQFPTHRAEPPCQSVHQ
 EFNSGDINARSLQDAGNSQSSALNQRGIMSKKSVLSGDQE EEPVGLPAPDSEILQLPGTQGCPRPELQKE
 IEDLRKQLSALQAVSEKFQTHLS

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Plasmid Map:


ACCN: NM_027668

ORF Size: 1539 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_027668.1](#), [NP_081944.1](#)

RefSeq Size: 1753 bp

RefSeq ORF: 1542 bp

Locus ID: 71088

UniProt ID: [Q9D454](#)

Cytogenetics: 15 D1