

## Product datasheet for **MG214590**

### 1700009N14Rik (NM\_001081095) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	1700009N14Rik (NM_001081095) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	1700009N14Rik
Synonyms:	A1429145; RP23-143B14.1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG214590 representing NM_001081095 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCCGCAGAGGGCGATCCCCAGTCCAATTCAAGCTTGTCTCGTGGGCGATGGTGGTACTGGGAAGA  
CAGCGTTTGTGAAACGCCACTTGACTGGTGAATTTGAAAAGAAGTATGTGGCCACTCTCGGCGTAGAGGT  
ACATCCTCTGATGTTCCACACCAGCAGAGGGCCCATCAAGTTTAACTGCTGGGACTGCTGGCCAGGAA  
AAGTTTGGGGCCTGCGAGACGGCTATTACATCCAAGCCAGGGTCCATTATAATGTTTCGATGTAACAT  
CAAGAATTACTTACAAAAATGTGCCAACTGGCATAGGGATCTGGTACGGGTGTGTGAAAACATCCCCAT  
TGTGCTGTGGTAACAAAGTAGATGTTAAAGACAGAAAAGTGAAGGCGAAGTCTATTGTCTCCACCGC  
AAGAAGAACCTTCAGTATTACGACATTTAGCCAAAAGCAACTACAACCTTGAGAAAACCTTCTCTGGC  
TCTCCAGAAGACTCACTGGAGACTCTAAGTGGAGTTCGTTGCCATGCCGGCTCTAGCCCCACCTGAGGT  
GGTCATGGACCCAGCCTTAGCAAAGAAATACGAGCATGACTTGAAGTGGCACAGGCCACTGCTCTCCCC  
GATGAGGATGATGACTTA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG214590 representing NM\_001081095  
 Red=Cloning site Green=Tags(s)

MAAEGDPPVQFKLVLVGDGGTGKTAfVkrHlTGEFEKkYVATLgVEVHPLMFHTSRGPIkFNvWDTAGQE  
 KFGGLRDgYYIQAQGAiIMFDVTSRITyKNVPNwHRDLVRVCENiPIVLCGNkVDVKDRkVKAkSIVFHR  
 KKNLQYYDiSAkSNYNfEKpFLWLSRRLTGDSNlEFVAMPALAPPEVVMdPALAKkYEHdLEVAQATALP  
 DEDDDL

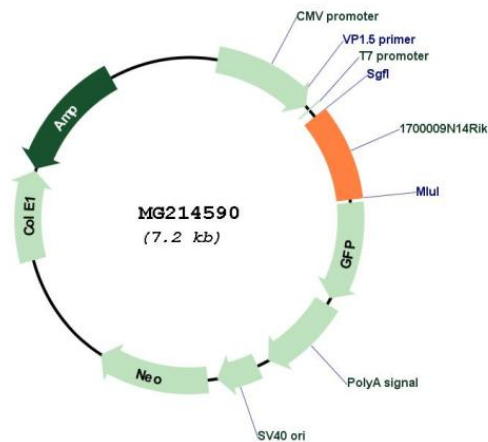
TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001081095

**ORF Size:** 648 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001081095.1</a> , <a href="#">NP_001074564.1</a>
<b>RefSeq Size:</b>	1264 bp
<b>RefSeq ORF:</b>	651 bp
<b>Locus ID:</b>	75471
<b>Cytogenetics:</b>	4 A5