

## Product datasheet for **MG214502**

### Gm3435 (NM\_001123372) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Gm3435 (NM_001123372) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Gm3435
Synonyms:	100041621
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG214502 representing NM_001123372 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAGATTTTACCAGGGGATTCCATGACCACATGCCTTCTCCTTTAGTGCATGACTTGATTTGTAACC  
TTGGGTTTGAACCAAAGAAATTTGTGATATCAATAGCATTGTAACCAAATGGTGAAGTACGATGGAA  
AGCAATTACTGACCGTGTGAGATATGAAGAATTAGGGCGAAGTCTGGACTACAGGAGAAGTGTGCAGCAG  
CTGGGTCCGGTGTGTGAGGCCATCCACCTACACATCTCAGCTCTGACCAGGGCTCAGTTTGAATTCAGT  
ATTCGCCTTGGTACCAGTGGACAACCTTATCCAGAGTTGTTTCTTGAGATACTTGATGCCTTGCAAAGCTC  
GCAGCCTGCTGCCGTCTCCCTCGGCGTGATGAAACTAGCTTCTGTCTGGAGCGAGCCCTCGGCGACGTA  
TTTTTACTGGTTGGAAAAGAGTGCCCTTCTCCTAAGAGATCTTCTTGATCTGCAGAGCTTGACAAG  
TCTTTGGACATGCTGTGATGGACATACTAAAAGTCTTATCGGGTCTCCCTGCGGACTCAACCTGAGAAA  
CGTCTTGTGGCATGGCTTTGCTTCCCCTCAAGATTCCTCCAAAATACTGTTACGCCATGTTGCTGTTG  
ACGGCAGGACTGGGCCAGTTACTGAAGAGTTACCTTACCACACAAGGTACCTTGGCAGATCGACCTT  
TTGTAACACTCACAACCTTAGAGGATGTGATTGTTTTCTGGTGTGACTTATGAGGACTGTGAGCATT  
AGAGACAGTGTGACAAAATCCAACCTTCTATTAATAATCATGTTGCCATATTGGGAAATGGCAGTGAGC  
AAGTTCAAGTCGCACAGTTTGGCAGCTGCACCATGTTGTTGCTGTGACAGCTAGAAGTGGACTCAGGA  
GACTGTTTGTGTCAGTTAACAAGTGTCTGATAGACTGCTCACAGCCGAGTCAACAATTCTGTATACCAC  
GTTTGATGAAATACTGGCAAAACACATGAGTGATGGTAGCATGAACCAGTTCCTTGTTCCTTGGAGAG  
CCTGCCATGGAATTCCTGTTGGGATTTCTGAACTATCAGGAGGGTCTCGTATCCGGGATCATTTAAGCC  
ATGGGGAGATCAACATATGTGAATTTCCAGAAGAGGCCGAGGCCAGCTGCTCACATTCTCCCTGGTGTCT  
GCTGCTCAGATTCAGTGAAGGGGACAGTGTGAGAACTGAAGGTACCACAGAGGGAGGGAGGGTGG  
CTGGCAGAATGTACTACCACCAGCAAGGGAAGAGCATGTCTTATTTCTCAAAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG214502 representing NM\_001123372  
 Red=Cloning site Green=Tags(s)

MEILPGDSMTTCLSPVHDLICNLGFELKEICDINSIVTQNGEVRWKAITDRVRYEELGRSLDYRRSVQQ  
 LGPVCEAIHLHISALTRAQFEIQSPWYQWTTYPELFLEILDALQSSQPAAVSLGVMKLASCLERALGDV  
 FLLVGKECPFLRLDLLASAELAQVFGHAVMDILKVFIGSPCGLNLRNVLWHGFASPDIPPKYCSAMLLL  
 TAGLQLLKSYLHHTKVTLAHRPFVTLNLEDVIVFPGVTYEVLSALETVMTKSNFLKIMLPYWEMAVS  
 KFKSHRFADCTMLLLSQLEAGLRRLLFAAVNKCPDRLLTAESTILYTTFDEILAKHMSDGSNMQLPCFLGE  
 PAMEFLWDFLNYQEGPRIRDHLSHGEINICEFPEEAAGQLLTFSLVLLLRFTEKGTVSELKVPQREGGGW  
 LAECTTTSKGRACLISQI

TRTRPLE - GFP Tag - V

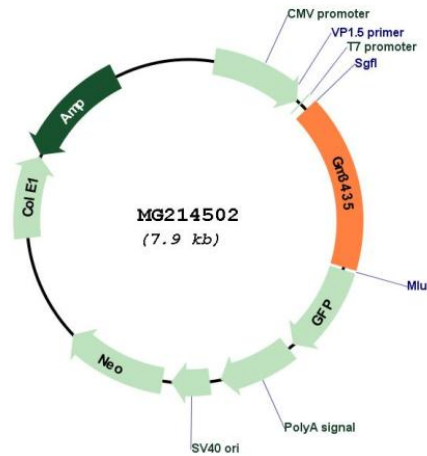
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:**

NM\_001123372

<b>ORF Size:</b>	1314 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_001123372.1</a> , <a href="#">NP_001116844.1</a>
<b>RefSeq Size:</b>	2061 bp
<b>RefSeq ORF:</b>	1317 bp
<b>Locus ID:</b>	100041621
<b>Cytogenetics:</b>	17 A2