

## Product datasheet for **MG205455**

### 3110048E14Rik (BC016425) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	3110048E14Rik (BC016425) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	3110048E14Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205455 representing BC016425 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAGTCAGTGGAAAAGACCACGAACAGAAGTGAGCAGAAATGCAGAAAGTTTTAAAGAGCCTCATT  
GAAAGCAACCCAGGACCTGCTCTTGGTCATTGGGACTGGCGTGAGCGCAGCTGTGGCCCGAGCATCCG  
AGCGCTCTGCTCTTGGAGGAGCTGCATCGAGGCGGTTCATCGAGGCTGCGGAGCAGCTGGAGGTTCTGCAC  
CCTGGCGACGTTGCTGAGTTCGGAGGAAGGTGATGAAGGATCGGGACCTGCTGGTTGTGGCCCATGATC  
TGATCCGGAAGATGTCACCTCGCACAGGGCAGACCAAGCCCAACTCTTCCAGGATTGCCGATGGAGGT  
GTTTGACAGCTTGGAGCAGCACATTAGAACCCGGTGGTCTGCGGTCCATCCTCAGCCTGATGGACAGG  
GGCACCATGGTGCTGACCACCAACTACGACAACCTGCTGGAGATCTTCGGGCAGCAGCAGAGCAAGCCCA  
TGGAGTCTTGGACTTGAAGGATAAGACGAAGGTTCTTCAGTGGGCAAGAGGCCATATTAAGTATGGAGT  
TCTTCATATTCATGGTTGTACACAGACCCCTGTGGGATGGTCTGGATCCATCGGGCTATAAAGATGTC  
ACTCAAGATCCGGAAGTAATGGAAGTCTGCAAAATCTCTACCGACCAAGTCATTCTGTTCTGTTGGCT  
GTGGCGAGACACTTCGGGACCAGATATTCCAAGCGCTCTTCTTGTACTCCGTGCCAAATAAGGTGGACTT  
GGAGCACTACATGGTAGTGCTCAAGGAAAACGAAGACCATTTCTTAAGCATCAGGCAGATATGCTTTTG  
CATGGAATTAAGTGGTGTCTACGGGGACTGTTTTGACCTTTTCCGGGATATGTGCAAGACCTTGCCA  
CTCAGATCTGCAAGCAGCGAAGTCCAGATGCTGAGCGAGTGGACAGCACCTTACTGGGTAATGCATG  
TCAGGACTGTGCAAGAGGAAGTTGGAAGAGAATGGAATTGAAGTCACAAAAAAGTTAGACAGTCAGAT  
ACTGATGATGCTGGAGGGTCT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

**Protein Sequence:** >MG205455 representing BC016425  
Red=Cloning site Green=Tags(s)

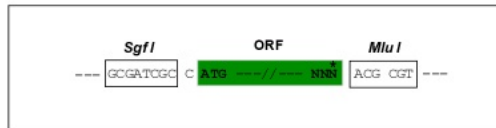
MESVEKTTNRSEQKCRKFLKSLIRKQPQDLLLVIGTGVSAAVAPGIRALCSWRSCIEAVIEAAEQLEVLH  
 PGDVAEFRRKVMKDRDLLVVAHDLIRKMSPTGDTKPNFFQDCLMEVFDSEQHIQNPVVLRSILSLMDR  
 GTMVLTTNYDNLLEIFGQQQSKPMESLDLKDGTKVLQWARGHIKYGVLHIHGLYDPCGMVLDPSGYKDV  
 TQDPEVMEVLQNLRYRTKSFLFVGCGETLRDQIFQALFLYSVPNKVDLEHYMVVLKENEDHFFKHQADMLL  
 HGIKVVSYGDCFDLFPGYVQDLATQICKQRSPDAERVSTLLGNACQDCAKRKLKEENGINEIEVTKKVRQSD  
 TDDAGGS

TRTRPLE - GFP Tag - V

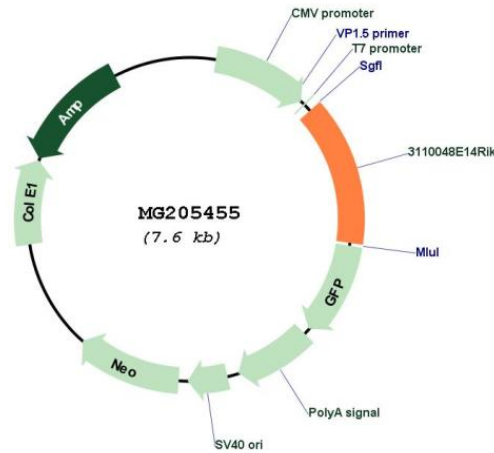
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



**Plasmid Map:**



**ACCN:** BC016425

<b>ORF Size:</b>	1073 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="#">BC016425</a> , <a href="#">AAH16425</a>
<b>RefSeq Size:</b>	2421 bp
<b>RefSeq ORF:</b>	1073 bp
<b>Locus ID:</b>	73225
<b>Cytogenetics:</b>	15 E2