

Product datasheet for **MG205464**

3110048E14Rik (BC066174) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	3110048E14Rik (BC066174) 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:	>MG205464 representing BC066174 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGTCAGTGGAAAAGACCACGAACAGAAGTGAGCAGAAATGCAGAAAGTTTTAAAGAGCCTCATT
GAAAGCAACCCAGGACCTGCTCTTGGTCATTGGGACTGGCGTGAGCGCAGCTGTGGCCCAAGGCATCCG
AGCGCTCTGCTCTTGGAGGAGCTGCATTGAGGCGGTCACTGAGGCTGCGGAGCAGCTGGAGGTTCTGCAC
CCTGGCGACGTTGCTGAGTTCGGAGGAAGGTGATGAAGGATCGGGACCTGCTGGTTGTGGCCCATGATC
TGATCCGGAAGATGTCACCTCGCACAGGGCAGACCAAGCCCAACTCTTCCAGGATTGCCGATGGAGGT
GTTTGACAGCTTGGAGCAGCACATTCAGAACCCTGGTGGTCTGCGGTCCATCCTCAGCCTGATGGACAGG
GGCACCATGGTGCTGACCACCAACTACGACAACCTGCTGGAGATCTTCGGGCAGCAGCAGAGCAAGCCCA
TGGAGTCTTGGACTTGAAGGATAAGACGAAGGTTCTTCAGTGGGCAAGAGGCCATATTAAGTATGGAGT
TCTTCATATTCATGGTTGTACACGGACCCCTGTGGGATGGTCTGGATCCATCGGGCTATAAAGATGTC
ACTCAAGATCCGGAAGTCATGGAAGTCTGCAAAATCTCTACCGAACCAAGTCATTCTGTTCTGTTGGCT
GTGGCGAGACACTTCGGGACCAGATATTCAGGCGCTCTTCTTGTACTCCGTGCCAAATAAGGTGGACTT
GGAGCACTACATGGTAGTGCTCAAGGAAAACGAAGACCATTTCTTAAGCATCAGGCAGATATGCTTTTG
CATGGAATTAAGTGGTGTCTACGGGGACTGTTTTGACCTTTTCCGGGATATGTGCAAGACCTTGCCA
CTCAGATCTGCAAGCAGCGAAGTCCAGATGCTGAGCGAGTGGACAGCACCTTACTGGGTAATGCATG
TCAGGACTGTGCAAGAGGAAGTTGGAAGAGAATGGAATTGAAGTCACAAAAAAGTTAGACAGTCAGAT
ACTGATGATGCTGGAGGGTCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG205464 representing BC066174
 Red=Cloning site Green=Tags(s)

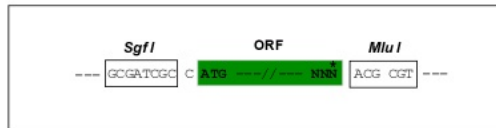
MESVEKTTNRSEQKCRKFLKSLIRKQPQDLLLVIGTGVSAAVAPGIRALCSWRSCIEAVIEAAEQLEVLH
 PGDVAEFRRKVMKDRDLLVVAHDLIRKMSPTGDTKPNFFQDCLMEVFDSEQHIQNPVVLRSILSLMDR
 GTMVLTTNYDNLLEIFGQQQSKPMESLDLKDGTKVLQWARGHIKYGVLHIHGLYDPCGMVLDPSGYKDV
 TQDPEVMEVLQNLRYRTKSFLFVGCGETLRDQIFQALFLYSVPNKVDLEHYMVVLKENEDHFFKHQADMLL
 HGIKVVSYGDCFDLFPGYVQDLATQICKQRSPDAERVSTLLGNACQDCAKRKLKEENGINEIEVTKKVRQSD
 TDDAGGS

TRTRPLE - GFP Tag - V

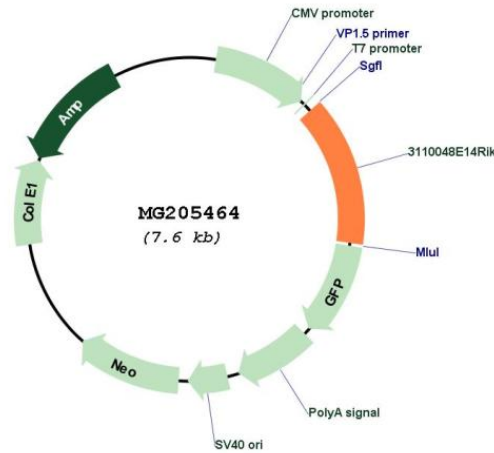
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: BC066174

ORF Size:	1073 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:	<ol style="list-style-type: none">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:	BC066174 , AAH66174
RefSeq Size:	2511 bp
RefSeq ORF:	1073 bp
Locus ID:	73225
Cytogenetics:	15 E2