OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MG214549

4930590J08Rik (NM_198668) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	4930590J08Rik
Synonyms:	Gm1071
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

ORF Nucleotide Sequence:

>MG214549 representing NM_198668
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAACCAGATCAAAAGTAACCGAGAACTGTACCTGCAATACTCAGCCTCAGCCCCCAAACTGCTGGCGC
ACGTCTCCAAACTCCTCATTTTTTGCCGCAACTCGGGCATTTCCATCCCAAAGGGCATTAGGAATATTTT
TGAGTTCACCTGGGAGGAGCTCATCAACGACCCTGCAGTGCCCACTGCCTCCGAGATTCAGGATCTGGTG
GTCACTTTTGGAACTCCTACAGTGGTGCTTGCAGAAGTGATCCCAGTACAGGTCCTCCCCATGCAGAAGA
AGCAACCCCCACCTGCCCCACCACCTACACTAATGCCCGCAGCCACCAGTGGGGGCAAGTACGTCCCCCC
CACCTCCACCTCTGCTAAGCTGATGCCCAATGGCCAAAACACCCTGCACAAGTTCCAGCGACAATCCATC
CACCTGTTGACAGAACTGCTTTCCCTGAAGATGAAGGCCATGGTGGAGTCTGCCTCTGCAGGTGCCAATC
CTTTGGACATCACCAAGCGCTTTGTGGAGGCCAGCCAACTCCTCCATCTCAACGCAAAGGAGATGGCCTT
TGACTGCCTGACTGGCACTGTTGGGAAAAGCTGTTTAAGTACAGCACAGCTGGGGAAAGAATCCTCCATG
AACATTTCTGCTATGGGAGTGAACACACCTTACCAGCTGGTCTACCAGACTTCTACAGCCTGCCTGAGCT
TCTCCCTCTGCACGGGAAAGGAAAGCAGGAAGAAAGATATTGGAGCAAAGCCAAAGCCCGTGGATGATGT
CTCGCCTCAGCCCGTCCGAGCCCGGACCCCTCCTGAAAACACTGTTGTTGAGTTGCCTGACCCCTGCCCC
GAGGCCCGGGAAAAGCTGCAGGATATGTGTCGCCATATAGAGGCCGAAAGGATCTTATGGAGAGGGAGGA
ATGCCTCCTGCCCCATGATTTTTCGAAACTACAGGTCAAGGATATCCTCTCATTTAATGTTGGCCTCCAA
GGGGGACTCTCACCATCCTCTCACTACGGGGACTCAGATTACTGCTTCCGCACCTCACCAGCCTTCCAGC
CAGCATGCTCAAATGGGCCGCCATTCTCAAGAGTGGAAGGGGCCCAAGAAGCCCATCAAGCTGCATTACA
CGTTCTATGATGGTTCCTCCTTCATTTACTATCCCTCGGGAAATATTGCCTTACTTCAGATTCCCACGTG
CTGCAGAGGGAAACCCATCACCTGCCTCTTTAATGACATGCCCAATACCTTCCTGGCTCTGTTCAATGCT
GAAGGCCTGGGCTGTGTTTACTACAACCTGAAGAACTGCTGTCCATATGTCTTGGTTTTGGATGAAGAAG
GTGGGATCACAAATGACCAAAAGGGCTACATAGTCCACAGATGGAGCTGGGCCAGCAAGACAGAGACATT
GCTCTCTCTGGAATACAAGGTGAATGAACAAATGAAGCTCACAGTCTTGGGGCAGGACTCCATCACCGTC
ACCTTCACCTCCATGAATGAGACGGTAACAATCAGTGTGTCACCCAAAAGCTGTCCCCATAACGTGCTGC
ATGACAAACGGCCAGTTCGCAGGATCAGCCTCATGGATGAAAAGGTGTCAAAGACAAACAGAGCCCTGGC
TGAGATCAAGAAGCGGTTTCAGAAGACTGTGACTCAGTTTATGAACTCTGTGTTGCTGGCAGCAGGTCTG
TTCACCTTAGAATATCCCAACCCAAAAGAAACAGAAACTAGTCGGGTCAAGTTGAAACCCGGGTCTAATC
AGGATCGGATCCGTAAGACAAGTTTATACCAAGGAGAAAACCATATGCGAATCCAGTCAGCCCGACAGGA
CTCCATAATTAACGAGACACTGAAGGAGGATTCTATACTCACATCCTTGGCCCATGTTCAAAAGAAGAAC
GGCAAAGTCCAGGTCAAAGTCTTACCAAGAGGGAAGCGCAGAGAGGTGCGCAGCCCCACCAGATGGGCAG
CCTCACCCTCTGACTGCCCACTGGTGCTGCGGAGGCTCATTCTCAAGGAAGACATCCGGGCTGGCTGCAA
ATGTATTGTGAAGGCACCCCTGGTGTCCGACTTGGAGCTGGAGCGTTTCCTGTCTGCACCCCGGGACCCC
AACCAAGTGCTGGTATTTGGAATAATGTCTAGCCAGGATCCCACGCTCACCGCACAGCTGCAGTGGCTGA
TGGATACACTGTATAGCCATCTGCAGCAGGGCCGGTCTTCACCCTGCATCCAGTGCCGGCATGACCCTTA
CCGCCTGCTGCGGTATGACCTGGACAGCCCGCTGCAGAAGGATCCTCCCCTAATGGTGAAGAAGTTTGCG
GTGATACACGGGATGGTTTTGATGTTTGCTGGGGGCAAGCTCCTATTTGGGGGCTGTGTGCTAAATGGCT
ACGGCTTCAGCAAGCAGAATCTGCTGAAACAGATCTTCCGGGCTCAACAGGATTGCAAGATGGGCTACTT
CCTGCCAGACAACTACAAATTCAAGCATGACGCTTTTAAAGCATCCAGAATAGCCAAACCGTGTGGCTTA
AGCAGCAGAGGTGTGCCATCTCAGTTCTTGGGACTGGAGACTGAACCCAGCATGTCAACCTATGTCACAA
ACCTGGATGATACTGAGTCAACTAAAAAACCCCCATCTGATGATTATGAAGGAAGTGTCTCTTCAGTGGC
GCTTGTGGACAAAATAGAAAAAGAACCACCTCCCTCCCCTGAGAAGGTCAAACCGCCTGAAATAGAACTG
CAGCCTTTCACCAAAATGAGGAGGAGCAGTAAGAAGACCGCTGGCTTTAAGAAGTTAAACTCTAAGAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

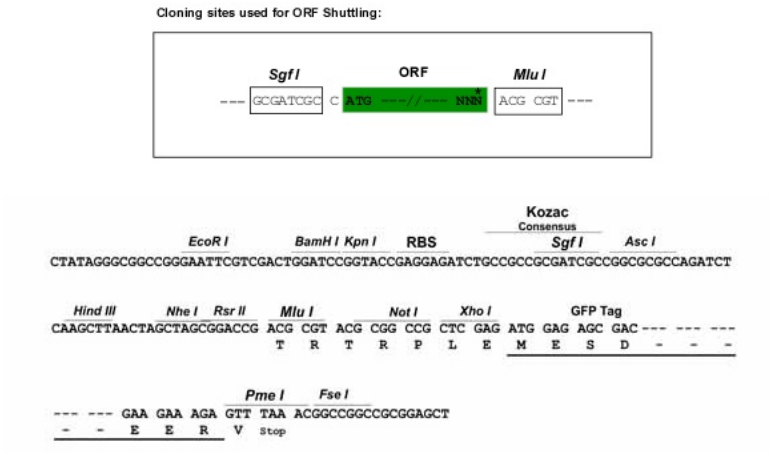
>MG214549 representing NM_198668
Red=Cloning site Green=Tags(s)

MNQIKSNRELYLQYSASAPKLLAHVSKLLIFCRNSGISIPKGIRNIFEFTWEELINDPAVPTASEIQDLV
VTFGTPTVVLAEVIPVQVLPMQKKQPPPAPPPTLMPAATSGGKYVPPTSTSAKLMPNGQNTLHKFQRQSI
HLLTELLSLKMKAMVESASAGANPLDITKRFVEASQLLHLNAKEMAFDCLTGTVGKSCLSTAQLGKESSM
NISAMGVNTPYQLVYQTSTACLSFSLCTGKESRKKDIGAKPKPVDDVSPQPVRARTPPENTVVELPDPCP
EAREKLQDMCRHIEAERILWRGRNASCPMIFRNYRSRISSHLMLASKGDSHHPLTTGTQITASAPHQPSS
QHAQMGRHSQEWKGPKKPIKLHYTFYDGSSFIYYPSGNIALLQIPTCCRGKPITCLFNDMPNTFLALFNA
EGLGCVYYNLKNCCPYVLVLDEEGGITNDQKGYIVHRWSWASKTETLLSLEYKVNEQMKLTVLGQDSITV
TFTSMNETVTISVSPKSCPHNVLHDKRPVRRISLMDEKVSKTNRALAEIKKRFQKTVTQFMNSVLLAAGL
FTLEYPNPKETETSRVKLKPGSNQDRIRKTSLYQGENHMRIQSARQDSIINETLKEDSILTSLAHVQKKN
GKVQVKVLPRGKRREVRSPTRWAASPSDCPLVLRRLILKEDIRAGCKCIVKAPLVSDLELERFLSAPRDP
NQVLVFGIMSSQDPTLTAQLQWLMDTLYSHLQQGRSSPCIQCRHDPYRLLRYDLDSPLQKDPPLMVKKFA
VIHGMVLMFAGGKLLFGGCVLNGYGFSKQNLLKQIFRAQQDCKMGYFLPDNYKFKHDAFKASRIAKPCGL
SSRGVPSQFLGLETEPSMSTYVTNLDDTESTKKPPSDDYEGSVSSVALVDKIEKEPPPSPEKVKPPEIEL
QPFTKMRRSSKKTAGFKKLNSKK

TRTRPLE - GFP Tag - V

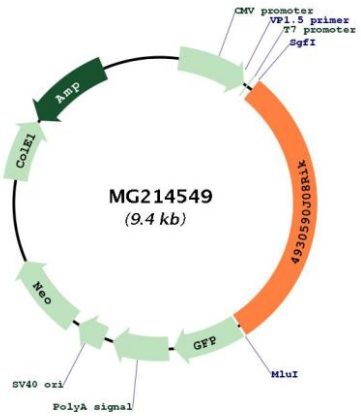
Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN:	NM_198668
ORF Size:	2799 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_198668.2, NP_941070.1
RefSeq Size:	3395 bp
RefSeq ORF:	2802 bp
Locus ID:	381798
UniProt ID:	Q8CDN1
Cytogenetics:	6 D1

Product images:



Circular map for MG214549