

Product datasheet for **MG219395**

9930111J21Rik2 (NM_173434) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	9930111J21Rik2 (NM_173434) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	9930111J21Rik2
Synonyms:	9930111J21Rik; lrgb5; OTTMUSG00000005540
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MG219395 representing NM_173434
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGGTCAGACTTCTCTTCTACACCCCTCCAAAAGAGGATCCTGATTTGACCTCCAGCTTTGGCACAA
 ATCTTCAGAATTTCAAGATGAAAACAAAATCCTGTCTCAGGAATTAATTGCCTTATTGAATCATCCCT
 AGAGGATGAAAACCTTCAGGAAACAGTTTCTGCAATCAGCAGTGTCTGGGTGGCATAGAGAAAAGCCCA
 CTGAACATTGCAGTGATGGGGGAGACTGGGGCTGGAAAGTCCAGTCTCATCAATGCTCTCCAGGGAGTGG
 GGGATGATGAAGAAGGTGCAGCTGCTTCCACAGGGGTGTACATAACAACCACTGAGAGAACCACATACAC
 TTACACAAAGTTTCCCAGTGTGACTGTGGGACCTGCCTGGCATTGGATCTACTGCCTTCAACCACAT
 GATTATCTGAAGAAAATCGAGTTTGAGGAGTACTTCTTATTATTGTCTCTCCGGACGCTTTAAAC
 ATATGACGCAGAACTTGCCAAAGCCATTGTGCAATGAATAGGAGTTTCTATTTTGTTCGAACCCACAC
 AGATCTTGATTTAATGGTTGTAACCGGAGTAATCCTAGGAGATCAACAGAGAGAACACATTAAGCAG
 ATTCGACATACCATTTCAAGTATGCTTAAGGAAGTTACCCACCAGGAGCCTCCAGTCTTCTAGTCTCTA
 ACTTTGATGTGTCTGACTTTGACTTCCCAAAGCTGGAATCCACCTTCTGAGCCAGCTCCAGCCTACAA
 ACACCACATGTTGATGCTCACTTTGCTATTGTTACAGATTCCACCATAGACCGGAAGAGGGATGCTG
 AAACAAAAGGTCTGGAAGGAATCCACAATGCCAAGAGCATGGGCTACCATACCATCCCTGGGACTGACCC
 AAAAGGACATGGAGATGTTGCAACAGACTTTGAATGACTATAGATCTTCCCTTGGCCTGGATGAGGCATC
 ACTGAAAACATCGCTGAGGATTTGAACGTGACTGGAGGAGCTCAAGGCAAACATTAAGTCTCCACAT
 TTGCTCTCAGATGAGCCAGATACATCCTTAACGGAGAACTATTGAAGTACATTGGAAATCCTTACTTTT
 CAAAGGTTTTCCATTTGCAAAAATTTTTCATTGACACGGTTGCGAGCGATGTTAAAATATCCTCAGTAA
 AGAAGAGCTTTTACAGAGCAGGTGAGCTCATTCAACTCTAAGGCCTCTCTATATCGGGAGGAGTCCGTG
 GGCAAAGTGTTCAGTTGGTCCAGGAAGCACCTTTCTATTTTATTTCATTGAAATGTTTCAAAGTGACT
 CTGACGAACCTTTGTCATGTCATGTTCTGCTCCTGTTGACATCCGGGGCCTCTCTAGTGAGACTGTTAC
 A

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG219395 representing NM_173434
 Red=Cloning site Green=Tags(s)

MGQTSSSTPPPKEDPDLTSSFGTNLQNFKMKTKILSQELIAFIESSLEDGNLQETVSAISSALGGIEKAP
 LNIIVMGETGAGKSSLINALQVGDDEEGAAASTGVVHTTERTPYTYTKFPSVTLWDLPGIGSTAFQPH
 DYLLKIEFEEYDFFIIVSSGRFKHNDLAELAKAIVQMNRSFYFVRTHDLDLDMVVKRSNPRRFNRENTLKQ
 IRHTISSMLKEVTHQEPVFLVSNFVDFDFPKLESTLLSQLPAYKHHMFMLTLPVTDSTIDRKRDM
 LKQKQVWKESTMPRAWATIPSLGLTQKDMEMLQQLNDYRSSFGLDEASLENIAEDLNVTLLEELKANIKSPH
 LLSDEPDTSLTEKLLKYIGNPYFSKVFHLQNYFIDTVASDVKIILSKEELFTEQVSSFNKASLYREESV
 GKVPVPGPSTFLFHFIEFMQSDSDELCHVHVLVLLTSGGLSSETVT

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_173434

ORF Size: 1401 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.

RefSeq: [NM_173434.1](#), [NP_775610.1](#)

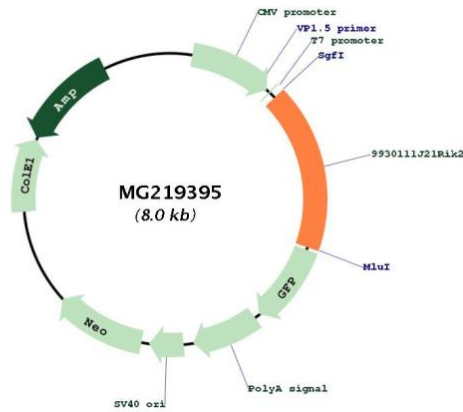
RefSeq Size: 2403 bp

RefSeq ORF: 1404 bp

Locus ID: 245240

Cytogenetics: 11 B1.2

Product images:



Circular map for MG219395