

Product datasheet for **MG215043**

4921524L2IRik (NM_027598) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	4921524L2IRik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >MG215043 representing NM_027598
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGAATGGAAGTCTATCTCAAAGTGTGTGAAATTTGCCTCACAAGAGGAGCAGTTGCCTTTTGGAAACA
TGGAAAGCCTGAGATTTGAAAGACAGCGATCCCCTCAGAAGCTTGATGTGACCCTCACTGGAATCTGTCC
ATGGATAGAAACTGAGGCAAAAACCTTGAATGAGTTACGAGGATCACTAGCGATGCTAAAAGCTGCCAAG
AAGATGCGCTGTAGGATTCAGAGGATTGAACTTGAATAATCCAACCTAGTCGTCACCTATTGAAAAACAAG
CAAGAGAAATGAAAGCACTTGGTGAATACTGTTAAACACAGGAATCAGTGTGGTGGAGGCAGCACCCGGA
AGGAGAACCAGGGGCGACAAGGGAAGACGTTGCTGCATCGTGGAGTCAGATGGAGCTGATGGAGCTCACA
TCTGAGCTTGCTAAAGCAAGAATGCAAAATGATTCTTGTAATAATGGAAGTACAAAAATATAAGAACTCT
ATCTAAAAGAATTAAGAAGTAATAATGCCTTACTCTCACGTTCTTCAAAACAGGACTTGAAGTGTCCAGA
GCAGTCATGTTCAAATCATGGGAGGAGATGCGGTGGAAGACCTTCAATGGTGGCTCTGTAGGGCCC
CACCTGAGTGCCCTCAAGTGCCATATCTAACAAGAAGCACCATGGAGCCACAAGGAAATGTCCCCAGC
CCTCCCAATGCCAGAGCCAGATGTGAATTCATGGAAAATCCTAGGAGCTGGTCTGAAGATAAGGAAAA
AGGATGGCTTGAAGTATCAGTCCATACGTTTTCTTCAATGTGCTTTGCATCAAGAAACCAGGAGGACT
AAAGAGCTACAAAAGAGCTAGCCGAAATGAAGAAGATCTTAAACATGCCCCACAGGAAGTCTGTGGAC
ATGAAGGCAGAAGACATAGTTGTCGTGAGGTTTCAAAGTCAAGTCAAGTGAATGGGTGTTCCAGTTGC
CATGCTGAGACTTGAGGGGAAGCACAACTGCAGAAAATTTAGTGTGATTCAAGACTCCAACCTGCC
TCATTCTAACTCAGATGGAAGTGAATGAAAAGTATTAATCTGCCATCGCTGAAGTGAAGTGAAGTGAAGT
AATGCTTGGTTAAAAGAGAAGTGAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGT
CGTGTCTGCCATTGGATCGAATATGTAATGGAGAGAGAGGAGTACAGAAAAGAAACCCGGCCTTTT
TACAAAAGCAGAGCCTCAGAGAACCAGCTCATGACTCACGTAGGCTGCAAAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



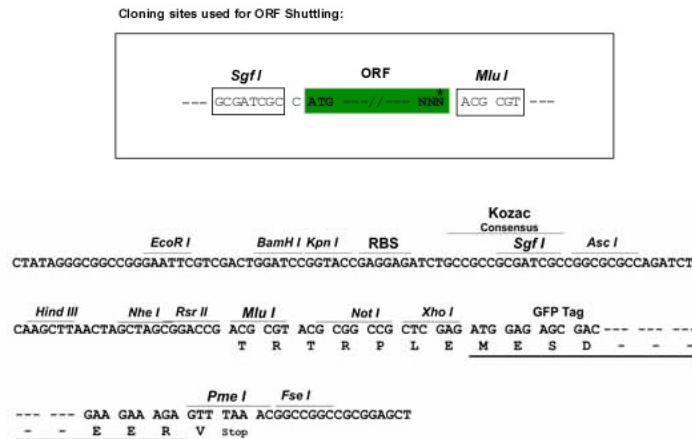
Protein Sequence: >MG215043 representing NM_027598
 Red=Cloning site Green=Tags(s)

MNGTLSQSDVKFASQEEQLPFGNMESLRFERQSPQKLDVTLTGICPWIEEAKTWNELRGLAMLKAAK
 KMRCRIQRIELENLNVVTIEKQAREMKALGEKLLNTGISVVEAAPEGEPGATREDVAASWSQEMELMELT
 SELAKARMQNDSCKMEVQKYKELYLKELRSNNALLSRLQNRCTCKCPEQSCSNHGEEMRWKTSMVALVGP
 HPCEPQVPYLRSTMPEQGNVPQPSQCPEARCEFMENPRSWSEDEKEKGWLELISIRFLHICALHQETRR
 KELQKELAEKMKIFNMPPEQGRGHEGRRHSCREVSQVQAEMGVPVAMLREGEATTAENLVCIHKTPTA
 SFLTQMELEMKSIKSAIAEVSTQECLVKRELEVMMKHLRGELEHIDSVSAIGSEYVNGERGGTEREPGPF
 YKSRASENPAHDSRRLQK

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_027598

ORF Size: 1314 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_027598.1](#), [NP_081874.1](#)

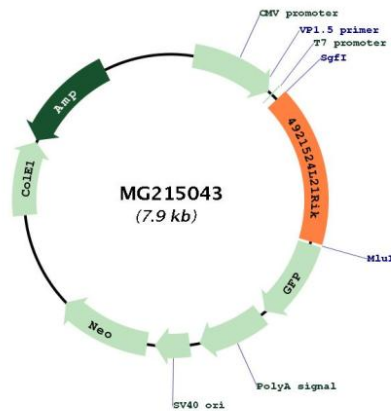
RefSeq Size: 1480 bp

RefSeq ORF: 1317 bp

Locus ID: 70901

Cytogenetics: 18 A1

Product images:



Circular map for MG215043