

## Product datasheet for **MG214621**

### 4930449I24Rik (NM\_026136) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	4930449I24Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PSI00010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >MG214621 representing NM\_026136  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTTCTCCTGTTCCAGGGTTCAGAGGCTCCGGCCACAAAAAGCCAAGAGCGGTTTCCTTGTCGCT  
TTTGGAGACGTTTGATTCGCCCTCTGACACTTCAGGCATGCTTCCACAGTGAGCCCAAGGTCTGTTCT  
TCAAAATGAACAGGAGCCAGACTCTCTGCCAAGCGCCCCAGTTCAACTATGACAGCCAAGAATACGTG  
GTACAAATGATCCACTACATCCAGCTGCTATTAGAAACGTGACCACATCTGTATCACCATATTTCTTG  
GCGTCTACCGAACGTATGCCAGCACTTGGGAGGTGCTGGACCTGCTGATGAGAACGTATGCATCCTTCCG  
GCCTGACTGTATAAAGGACCAGCAAATAAGAGAGCCATATTCAGGTTTCTGTTCCGGCTGGTTAAGAAA  
TACCCCAAGGATTTTTATGAGTCCCCAGACTGGCTGTTGTGAGGCAGTTCATTGACTATGTGAAGCGCA  
ATGTGCCTTCTCAGATGTAGATAGAGCCAGGGAGCTGCTCTCCGTGCTGGAAGATCAGGAGGCAATAGA  
GCTACAGATTGAGCAAGATTTTGCCACAGCTCCAGAGCCCTCAGAGCAGGATGCCTCTGGGAGGCAGGAG  
AGTCTGGCTCCGAGGCCAGCTTCTGAGACAGGCCACAGGGAGACAAGCAACACCGAGAGGATGCTGAGC  
TTGTGAAAGGAGCAGTTCTGGATCCCTTTAAACCAAAAGCCACAATAGAGCTGCATCCGACTTTACATCA  
AGCTGTGCCCGCATCAGATGGTTCCTCTCACCTGTAGATGTTACTGCAGATGAGGCGACAGGTGTGGCT  
GCAGATGAGGCTGCAGATGTTGCTGCAGATGTTTCACTTGCCAGGCAATTATTCGTGTCTTACACTGTGC  
AGTTAGGTACACCAGATTCGTCATCCCTCTGCCTGAGGTTGACATA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



**Protein Sequence:** >MG214621 representing NM\_026136  
 Red=Cloning site Green=Tags(s)

MFSCFQGSRGSGHKKAKSGFLVRFWRRLIRPLTHFRHASHSEPKVCSQNEQEPDSLPKRPQFNYSQEYV  
 VQMIHYIPAAIQKRDHICITIFLGVYRTYASTWEVLDLLMRTYASFRPDCIKDQQTAKRAIFRFLGWFKK  
 YPQDFYESPDLAVVRQFIDYVKRNPSSDVDRARELLSVLEDQEAIELQIEQDFATAPEPSEQDASGRQE  
 SLAPRPASETEPQGDQKQHREDAELVKGAVLDPFKPKATIELHPTLHQAVPASDGLSPVDVTADEATGVA  
 ADEAADVAADVSLARQLFVSYTVQLGTPDFVIPLPEVDI

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



**ACCN:** NM\_026136

**ORF Size:** 957 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\\_026136.2](#), [NP\\_080412.1](#)

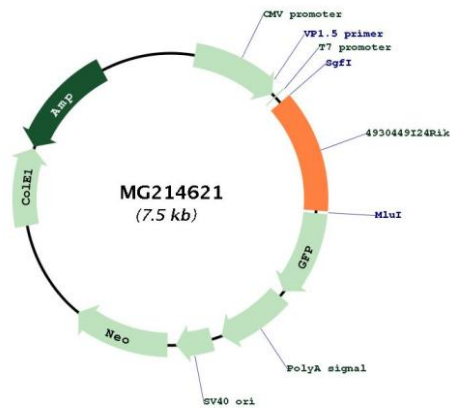
**RefSeq Size:** 1168 bp

**RefSeq ORF:** 960 bp

**Locus ID:** 67410

**Cytogenetics:** 5 G3

**Product images:**



Circular map for MG214621