

## Product datasheet for **MG214877**

### 4930433IIRik (NM\_207248) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	4930433IIRik
Synonyms:	Gm481
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



**ORF Nucleotide Sequence:** >MG214877 representing NM\_207248  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGTCAGTGGTGGAAATGGATACATCCCTGGGATTGTCACCTCAAGCCAAACACTTTGTCTGCTGCAGA  
 GTCCAGAATTCTACATCACTTGCACCCCGGTTTCCCAGAGGAAGACACCATCTGTTGATGGGGACGGGCC  
 ATTAACAACCTCTATCCCTAGCCATTCAGAATTCCTCGCCTTGCCTCCAGCTCCAAGTGCTGAACAAACA  
 GAGATTA AAAACATGCATGAGATGGAAGTTGAGCACTTGATGCCTCGGGATGCCTATAAGGGTACTAAAG  
 AAAACCAAGACCCATCATTCTCTCTTTATCACACCTGACTTGCAGCAGCCTCTGCACTGCATTGACAC  
 TGGAAACCTAAGACAGACGCTGCTGCTTGTGACAATGACAGCTTGGGGGCATCCACCTGGGTCTGGAAGAG  
 AAAGGAACACTGGACAGTTTGAAGGTGTCCACTATTGACTTTCCAGATATCACTACATTGGTGGCAGATA  
 TTCACCTTCTCAACTTCAAATTCCTCACAGGCCTAGATCAATACCAAGATTCAACAGTAACTGAATC  
 TAAAGACTCCACAGTTGTCTGGAGGATCAGGCCAAGAAAACCCAGAGTCATCAGTGGGTCTCTGAC  
 CAGGTGAAAAGAAAGACCATGACACCTCTGAGTTGATTGATGGAGCTCCTCATGCCAAAATCCCAAACCT  
 GGGATCTGGTGGTGGGAGAAGGGTCTATGGCCAGTGTGGGGTCACTGGCAGGGCTATTGACAACATGGC  
 TAAGGACTTGGAGGGGAAAGCTCCCAAAGTGTCAACCCATCATGCCAGCAGAGCTAGGGGACAAGGGCAA  
 GACAAGACCAATGGACCACAGAAAATAATCCAAGAAAATAGAGGAGCTCAAGAAGTCAAGGAACAGAG  
 CCAAAGCTGAAAAGAGCCACCATCCCAAGACCAAGATAAAGAGGGATCTACCTGAGCTTAGCCACAG  
 CAGCTTTAAAAGCCTAGAACCACCTTGGCATGCACATGCTGGAGTCTGTGCAGGTCTTCCATCTCTG  
 GGAAGAAGAGTGAGAAGAACTGCTACCACTTCTCCAGCATCTGGGAACCTTCTAGCAGCAACAAAT  
 ATCCCGGGCCAGGCCACCAACAGTACTACAGGATATGGCTCATGAGTCCAGGGCCCTGACGAAAC  
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 CCCCCAGCTGGGAAGGTGAGTTAGTACCTCTGCCTTTCCAAACCCAGGACCAGCCTCAAACCAGACCTG  
 TTTCTAGAAGCCCTCAATCTGGCTTACACAGGCCACTACAGCTTACTCTGAGAGGTGTCAATTTTCA  
 CTCAGTCTCAGTTACCACACTCAAGCCATCCCAACACCTTCTATCAGCAAATCTTTGATGGCTTCTGCC  
 AAGCCAGCTCTGCCAATTTCTTCCAGTGCATGCGATCTAATGTAACCAACATCATCCACATTAGCACTG  
 TGCTCAATCAGGCACCTTGGGCCTACATCCTATAGAGAGCCATCTCAGACTTCCCTCCAGAGGGAGCT  
 TCTTTCTGCTGCCAAGAACAACGTGCCAGCACCTTGAACCTCAAACCTCAATATCTGTTGCAAGACTTC  
 AGCCGCCAACCCATTCCATGGAGAAAAGTTGACATTCTGGGACCAGTTGTCTCACAGCCATCACAAAAG  
 AGCAGAGGCCAGAGAGGGAGGCCATGAAGAGGAGGGCCCAACAGGAGCGAGAGAATGCTGCCAAGTACAC  
 CTCTCTGGGAAACTGCAGTTTTTCTCCAGAGGGAGAAAAGATATGGAAAATTTCCCGATACTATGGCTAT  
 GCAATG

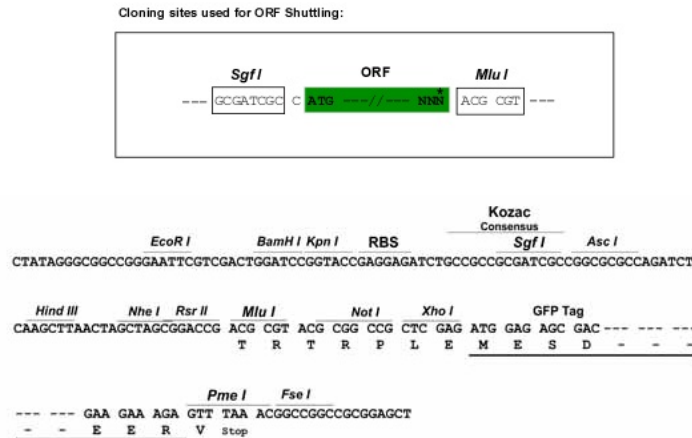
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >MG214877 representing NM\_207248  
 Red=Cloning site Green=Tags(s)

MSVEMDTSLSGLSPSSQTLCLLQSPFYITCTPVSQRKTPSVDGDGPLTTSIPSHSEFLALPPAPSAEQT  
 EIKNMHEMEVEHLMPRDAYKGTKENQDPSFLPLSHPDLQQPLHCIDTGNLRQTSASDNDLGGIHLGLEE  
 KGTLDSLKVSTIDFPDITTLVADIHLPLFKFLTGLDQYQDSTVTESKDSTVVWRDQAQENSRVISGSSD  
 QVKKKDHDHDTSELIDGAPHAKIPNWDLVVGECSMASVGVSGRAIDNMAKDLEGKAPKVSPIIMP SRARGQGQ  
 DKTKWTTENNSKKIEELKSRNRAKAEKPTIPKTKIKRDLPELSHSSFKKPRTHLGMHMLSESVQVFHPL  
 GKKSEKPPATSSQHLGTSSNKYPGPGPATTVLQDMAHECQGPDETPGKVQRAESSALKECPSQSQYEV  
 PPAGKVRLVPLPFPTQDQPQTRPVSRLPLNLASHRPTTAYSERCHFSAQLTTLKPSQPPSISKSLMASA  
 KPALPISSSAMRSNVTNIIHISTVPQSGTLRPTSYREPSQTSLQRELLSAAKNNVPAPLEPQTYLLQDF  
 SRQPIPWKVDILGPVVSQPIITKEQRPEREAMKRRRAQERENAAYKTSFGKLLFLQREKMEISRYYGY  
 AM

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**


**ACCN:** NM\_207248

**ORF Size:** 1896 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:**

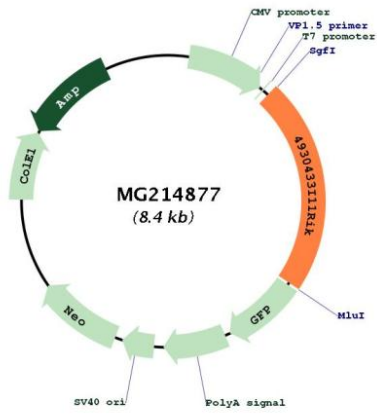
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store 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\\_207248.3](#), [NP\\_997131.2](#)

RefSeq Size: 2022 bp  
 RefSeq ORF: 1899 bp  
 Locus ID: 243944  
 Cytogenetics: 7 B3

**Product images:**



Circular map for MG214877