

## Product datasheet for **MG214646**

### Jhy (NM\_001081121) Mouse Tagged ORF Clone

#### Product data:

<b>Product Type:</b>	Expression Plasmids
<b>Tag:</b>	TurboGFP
<b>Symbol:</b>	Jhy
<b>Synonyms:</b>	4931429111Rik; BB239335
<b>Mammalian Cell Selection:</b>	Neomycin
<b>Vector:</b>	pCMV6-AC-GFP (PS100010)
<b>E. coli Selection:</b>	Ampicillin (100 ug/mL)



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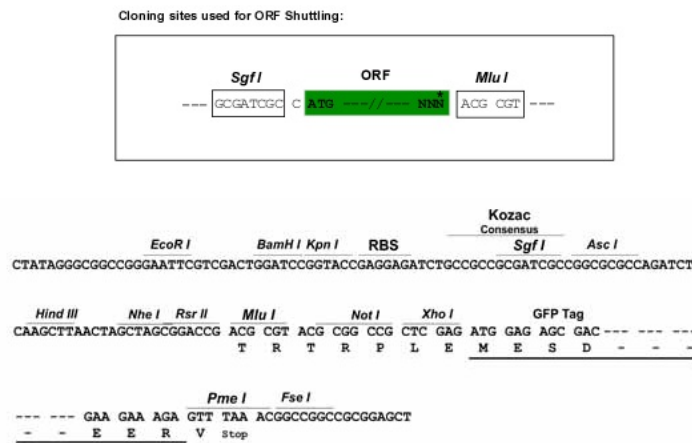
**Protein Sequence:** >MG214646 representing NM\_001081121  
 Red=Cloning site Green=Tags(s)

MNKYKVPVKLSSQSPVHHTNLRIPPSGRPFKEDFLNLSKDSLESDSESLPQEAKSWSDIKDQIQDKDM  
 EPDSLEEDSPSETEEA VNRKAAHNTNREDLSAHDAGVNHSQHVEDKYSDLRYPNWNKREEGQPLAGE  
 ALPGSADSSSENLPLAPLYPSREPSMGLSAGKGKEKSPQSEASLLGSEFLSPKYERSTRQNGFFSELS  
 SDQEEKSSGLSQYLKSSSSHNDVFLPGSRGPRRRKSKQYFVEKNKLTGLPMPKTD SYLQLHNKRGETR  
 LEQISYPVRD TDKMTVQNDKEVENTFMDPEDKWHQRAKQLKNYQEHLSQYEDTKSGNVPRGQSSDAANGQ  
 QPSRRTAKARVRKQRKHQKGLKSLGKELVVSQNNQNNPFQQPQNQRQTADASAKHELAAQTNASPNLQ  
 DARTLTHNPKVTSDFVSPKQALDRALYKNSISGLNANKRRGRHREEERILYQPPIYVFS DTHLQDFNE  
 LPHRHESPSQRAPQSDHHMNTHRSTKTKKPAKQPQAE TKYKNIEMLWKFHSSSDMEPASASPSRLAQIM  
 EQHQALMQLAEVQPSSEGLASIIILPPIILSRVESESQLNSERSHRHQVKMARSNSEGYLLQLERGRHRK  
 RSSTKSSKLGKQKRDVKLGLGPDFASVRDKMQMLMQQKEYAQQVKDYNMKALSILSKPQTSKTESKSA  
 ISRKKALDYAKTIPKPKPPNLPDQTA KKTNSRHSEKEGGLPEISLLEILQSRHEREKQAVAAFKVLHIV

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



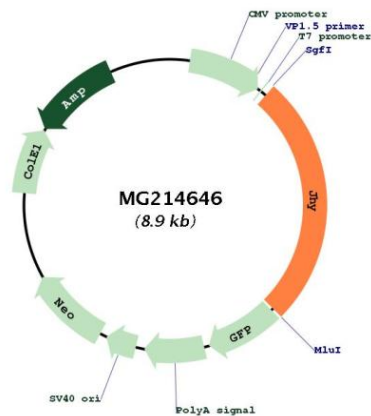
**ACCN:** NM\_001081121

**ORF Size:** 2310 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.

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>Note:</b>	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
<b>RefSeq:</b>	<a href="#">NM_001081121.2</a>
<b>RefSeq Size:</b>	3068 bp
<b>RefSeq ORF:</b>	2313 bp
<b>Locus ID:</b>	70989
<b>UniProt ID:</b>	<a href="#">E9Q793</a>
<b>Cytogenetics:</b>	9 A5.1
<b>Gene Summary:</b>	Required for the normal development of cilia in brain ependymal cells lining the ventricular surfaces.[UniProtKB/Swiss-Prot Function]

**Product images:**

Circular map for MG214646