

## Product datasheet for **MG206164**

### 4921511C04Rik (NM\_027580) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	4921511C04Rik (NM_027580) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	4921511C04Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206164 representing NM_027580 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGATGTGCAAGGCGTGAGGTCTCGATCCACCAAAGTGGTGTCCCTCTGGCACATGTGTGCAACAACA  
GCAATAAGATGGTATTAATTAACCCCATGGAATCAACCTCAATATCTACAAGCAAAATGTGGAACAGGC  
CATCAAATCCTATGAAAAATGCTTAAATAAAATGTCTGGCAAGCTCTGTCTGAAGAGGAAAAAGAGAAG  
TTGGATGCAATCAAGCCCATACAGTACTTGGAAAAACAAGGATGTCTTGAACAAGGCCCTGGAGCGGCTGA  
ATTGGCCATTTTCATTGAAAGAGCTCTCGGTGCTGGAAAAACGAAATCTTGTTGGGAAAAATGTACATCCA  
GCAAGCCCTGGAGCTCCAGGAGACTTCCAGGAAGAACTACCAGAGCAAGACACTGCAGGAGCAGCAGAAAA  
TTGCAAGGGTATCCAACGAAGAAAAATCAAATCAAGAAAACTAGACCCTCTCAAAGGCCAGAAAGGTCATTG  
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CCCTGTCCACAATTCAGGTTGGGGATTACGTGTTTGCCAAAATCATGACAAGCAAAGGATTTGACTTCT  
ACGTCCCCGCCATTGTTATAGCACTTCAAATCACAACGTGGCTTCAGAGAAGTTCTACACAGTTTTGAA  
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TCTTGCTCAATGATACACTCATCCTGGTTGAGAAGAACGGAGCAGGGGAGGAAGTATGGAAGTAAAT  
CTTCCAACATCTGGACTGTGACTGAAGAAGCCACTGGGAATTTGAAACAGCCGAGACAAGAGAACCTCAG  
AAAAAAGAGAAAACGACCAAGAGGCTCCCTCTCAAAGAGCTGATGTGTTTCAGATTTTGATGTTCC  
TCCCGCAGCACCAGGTTTTCCACACGTGGCCTCGGACGCCCAACTCCGCCCTCGCCACACTGCCACCA  
GGAGCAGCCCTGCCCTGACAGAGTCCAGCCACCCACAGCGAAAGGGGCTGAGGACCCACCGC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG206164 representing NM\_027580  
Red=Cloning site Green=Tags(s)

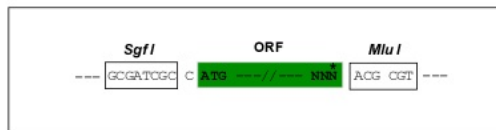
MDVQGVRSRSTKLVFPLAHVCNNSNKMVLINPHGINLNIYKQNVQAIKSYEKCLNKIVWQALSEEEKEK  
 LDAIKPIQYLENKDVLNKALERLNWPISLKELSVLENEILVGKMYIQQALELQETSRKNYQSKTLQEQQK  
 LQGYPTKKIKSRKLDPLKGQKVIARCEENGFYFPGVVKKCVSSSHALVDFRYGDTKVVPI SFIMPVGGAM  
 PCPQLQVGDYVFAKIMTSKGFDFYVPAIVIALPNHNVASEKFYTLKCNNRREFCPRSALIKISQNKYAL  
 SCSMIHSSLVEKNGAGEEVDGSNSSNIWTVTEEATGNLKQPRQENLRKKRKRTRKRLPLQELMCSDFDGS  
 SRSTRFSTRGLGRRQLRPRHTATRSPALTESSHPQRKGLRTHR

TRTRPLE - GFP Tag - V

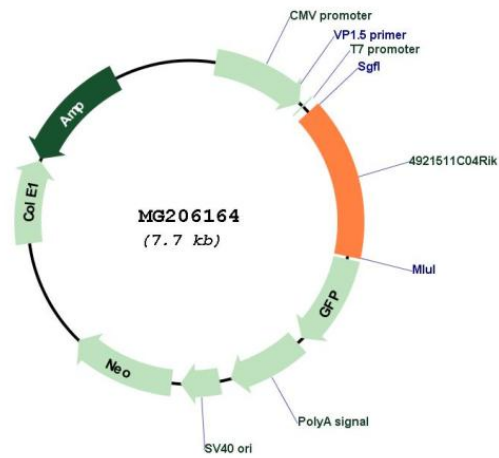
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



**Plasmid Map:**



**ACCN:** NM\_027580

<b>ORF Size:</b>	1182 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	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>RefSeq:</b>	<a href="#">NM_027580.2</a> , <a href="#">NP_081856.1</a>
<b>RefSeq Size:</b>	1535 bp
<b>RefSeq ORF:</b>	1184 bp
<b>Locus ID:</b>	70853
<b>Cytogenetics:</b>	1 B