

## Product datasheet for **MG221405**

### Prr19 (NM\_001081294) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Prr19 (NM_001081294) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Prr19
Synonyms:	EG623131
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG221405 representing NM_001081294 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGACCCTCGGGGACCAGTCCCTCAGCCTTCCAGCAGCTTCAGAAACCTGGCCGAATTCGCCGTCGCA  
AGACCAGGAGGGAGCGAAATAAGGCCCTGGTGAGCAGCCACAGGCCATTGGCCCGTCAGGATCCTCCCAT  
ATCCAGTCGGGATCCATGTGTGATCCTCCAGGATCCTGTGGCCTCTGCAGCCCCAAGCTTGTGTGATA  
ACTCAAGGCAGGTTGAGCCGGGAGCACCAGGGTCTCTTCAACCATGAGGTGAAATCCCTGGATGTGGCC  
GGCTGCTTAACAGAGGTGCCTTGAATCACATACCCTCAGCTACCAACCAAGCCCTCCTGCAGTCCAGT  
TGGAGTACAAGAACCAGACCTTCAGTCAAAGGCAAGGAGAACAAGGTACCAGGAGGCTCAGGCCAGGC  
CCACCAAATTCCTCAGATCTTCTGTGTTGGGCAATTGCTGGAGGAGTTGCAGTACCAACTCATTGTGC  
CACAAGCCTTCCAGGAGAAACCTAGTGCAGGAGTCCAGAGACACCATCATAAGAACCTTACAGGGCTG  
CCATGGCTGTGTGCCTGATCTTGCCCTGGTGCTCCGAGGTTGCCAGCTACCCTTGCTGAGGCCAAACCG  
AGGGTCCCTGAGAGACAGAGGATGGCATCTTCTGTATGGAAGTTCTGAGCATGCTCCACGGGAGGGGA  
AGCAAAGGACTCAGCAGGCAACAAGGGGTGTGACTTTGCCATACCTCATACTTGCAACAGCACTACCCC  
TGCACACAGGGGAGCCAGGTGCAACCTCAGGTCACCAACTGCCATTCTGTCTCAGCATCATACCA  
TCTGGAGCAGCATGGGGTCCCCAACAGCTTTTGATATGCTGAAAAGCATCTGGCTCATAGCCACACCC  
CCCGCCCCCGCCAGCCCTGGGATGTCGCGCCACCTCAGCCCTACCACAGCCACCATCACCTTGT  
ACCCAGAACATCTGCCTTGGACTGGAGCCCAACCTCCTGCCCACTGCCAGTCTCTCTGGGTAGTA  
ACTCAGAGCAGTCCAGAGGCTTGGTCCTTCCCCCAATGAGACTGTAC

**ACGGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG221405 representing NM\_001081294  
Red=Cloning site Green=Tags(s)

MDPRGPVPQPFQQLQKPGRI RRRKTRRERNKALVSSHRPLARQDPPISSRDPCVILQDPVASAAPKLVVI  
 TQGRLSREHRGLFNHEVKSLDVARLLNRGALESHTPQLPTKPCSPPVGVQEPDLQSKGKENKVPGGSGPG  
 PPNSPDLPLVGLQLEELQYQLIVPQAFPRRNLVQESRDITIRTLQGCHGCVLDLALVLRGCQLPLPEAKP  
 RVPERQRMASSCMEVPEHAPREGKQRTQQATKGCDFAI PHTCNSTTPAHRGSQVQPPGHQLPFLSSASSP  
 SGAAWGPPTAFDMLKSIWLIATPPPPPPQPDVDRPPQLPQPSPPLLPRTSALDWSPPNPAPLPSLSWVV  
 TQSSPEAWSFPPMRLY

TRTRPLE - GFP Tag - V

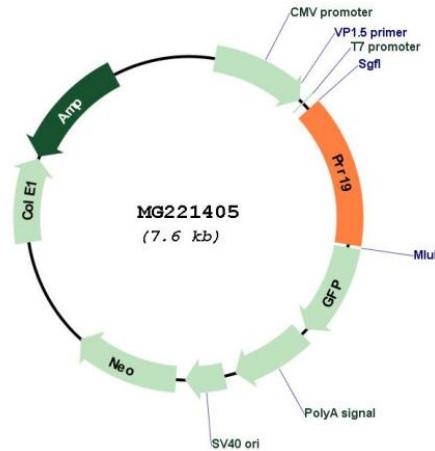
**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:**

NM\_001081294

<b>ORF Size:</b>	1098 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_001081294.1</a> , <a href="#">NP_001074763.1</a>
<b>RefSeq Size:</b>	1293 bp
<b>RefSeq ORF:</b>	1101 bp
<b>Locus ID:</b>	623131
<b>Cytogenetics:</b>	7 A3