

## Product datasheet for **MG201498**

### Fopnl (NM\_025345) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Fopnl (NM\_025345) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Fopnl  
**Synonyms:** 0610037P05Rik  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG201498 representing NM\_025345  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCGACTGTTACGGAAGCTGTTTAAAGGACACCTTGGAAAAAGGGGAGTGTAGGACATT  
 TAAAAGCAAGGATCCGTGCTGAAGTTTTCAATGCCCTGGATGATGATCGTAACCCCGACCGTCTTTGTC  
 TCATGAGAACCTTCTAATTAATGAATTAATTAGGGAGTATTTGGAATTCATAAATAACACAGCC  
 TCTGTCCATAGCAGAATCTGGTCAACCTGTAGTTCATTGGACAGACAGTTTCTCATCCGTAAGTAA  
 ATGCCTTTGAAGAATCAAAGGATAACTCAATTCCTCTATTGTATGGAATTTAGCCATTCTTGCGTGG  
 TCCTCCAGATGGAGCCCAGAATGTGCTTCTGACAGAGTCAACCCGCAACCAAGCATCTCAGC  
 TGGAAAGCCAGCAGAAGACCTGACGATGACCACGTGAGGAAGGACACAGGGCCAAGAACCACAAGTGAAG  
 AGCTTCTGCTGCTGCACAAGCAGTCAGCAGA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >MG201498 representing NM\_025345  
 Red=Cloning site Green=Tags(s)

MATVTELKAVLKDTLEKRGVLGHLKARIRAEVFNALDDDREPRPSLSHENLLINELIREYLEFNKYKYTA  
 SVLIAESGQPVVPLDRQFLIRELNAFEESKDNSIPLLYGILAHFLRGGPDGAQNVLLTESTLHPATHKLS  
 WKPSRRPDDHVRKDTGPRTTTEELPAAAQAVSR

**TRTRPLE** - GFP Tag - V

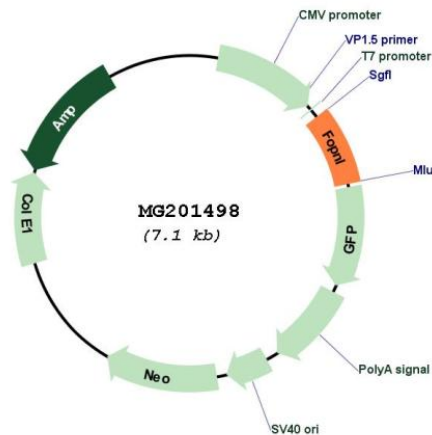
**Restriction Sites:** SgfI-MluI



Cloning Scheme:



Plasmid Map:



ACCN: NM\_025345

ORF Size: 522 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>RefSeq:</b>	<u><a href="#">NM_025345.2</a></u> , <u><a href="#">NP_079621.1</a></u>
<b>RefSeq Size:</b>	1438 bp
<b>RefSeq ORF:</b>	525 bp
<b>Locus ID:</b>	66086
<b>UniProt ID:</b>	<u><a href="#">Q9CZS3</a></u>
<b>Cytogenetics:</b>	16 A1
<b>Gene Summary:</b>	Involved in the biogenesis of cilia (By similarity). Required for the recruitment of PLK1 to centrosomes and S phase progression (By similarity).[UniProtKB/Swiss-Prot Function]