

## Product datasheet for **MG200443**

### Pyurf (NM\_025574) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Pyurf (NM\_025574) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Pyurf  
**Synonyms:** 2610022G08Rik; A1847956; Prey  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG200443 representing NM\_025574  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCTGAGCGCCACGTGCCGAGGCTCGCCCCGGCGCTGCGGAGGCTCCGCGCACTGTCTGCAGTCGCCG  
GGAGGTTTCTGCAAGTGCCCGGGCCAGGCTCTGCTCTGACCAGAGCGAGAGGGCTGAGCAGCCCCACAC  
CTTCCACCGGCGCTGCTGCAGTTCCTGGTGTGTCCGCTCTCCAAGAAGCCGCTTAGATATGAAGCATCG  
ACAAATGAATTGGTTAATGAAGAGTTGGGAATAGCATATCCAATCATTGATGGGATCCCTAATATGATAC  
CACAGGCAGCAAGGACCACCGTCAAAATGAGAAGCAAGAAGAAGCTGAGCAACCC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >MG200443 representing NM\_025574  
Red=Cloning site Green=Tags(s)

MLSATCRRLAPALRRLRALSAVAGRFLQVPGARLCSAQSERAEQPHTFHPALLQFLVCPKSKPLRYEAS  
TNELVNEELGIAYPIIDGIPNMIPQAARTTRQNEKQEEAEQP

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** SgfI-MluI

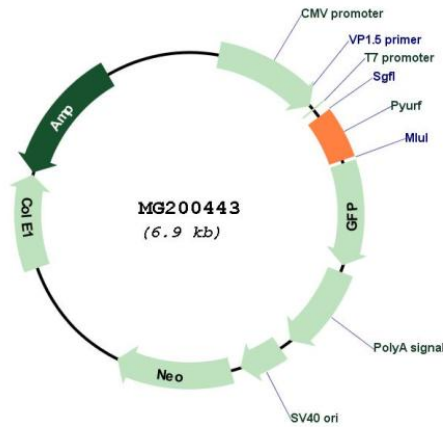


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Cloning Scheme:



Plasmid Map:



ACCN: NM\_025574

ORF Size: 336 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](#)

<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_025574.3</a> , <a href="#">NP_079850.1</a>
<b>RefSeq Size:</b>	5410 bp
<b>RefSeq ORF:</b>	339 bp
<b>Locus ID:</b>	66459
<b>UniProt ID:</b>	<a href="#">Q9D1C3</a>
<b>Cytogenetics:</b>	6 B3
<b>Gene Summary:</b>	This gene encodes a small protein with a conserved DUF343 domain. The human ortholog of this gene expresses two distinct proteins from upstream and downstream coding regions. The upstream CDS encoding a DUF343 domain-containing protein has been conserved at this mouse locus, but the downstream CDS encoding a subunit of an enzyme involved in glycosylphosphatidylinositol biosynthesis has not been conserved. Instead, a separate locus on mouse chromosome 9 encodes the mouse homolog of the human phosphatidylinositol glycan anchor biosynthesis, class Y protein. [provided by RefSeq, Jul 2008]