

## Product datasheet for **MG204816**

### **P2ry6 (NM\_183168) Mouse Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	P2ry6 (NM_183168) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	P2ry6
Synonyms:	2010204J23Rik; P2Y6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG204816 representing NM_183168 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAGCAGGACAATGGCACCATCCAGGCTCCAGGCTTCCGCGCCACCACCTGCGTCTACCGTGAGGATT  
TCAAGCGACTGCTGCTAACCCCGGTATACTCGGTGGTGTGGTGGTGGCCTGCCACTGAACATCTGCGT  
CATTGCCAGATCTGCGCATCCCGCGGACCCTGACCCGTTCCGCTGTGTACACCCTGAACCTGGCACTG  
GCGGACCTGATGTATGCCTGTTCACTACCCTACTTATCTATAACTACGCCAGAGGGGACCCTGGCCCT  
TCGGAGACCTCGCCTGCCGCTTTGTACGCTTCTCTTCTATGCCAATCTACATGGCAGCATCCTGTTCTCT  
CACCTGCATTAGCTTCCAGCGCTACCTGGGCATCTGCCACCCCTGGCTTCTGGCACAAGCGTGGAGGT  
CGCCGTGCTGCTTGGGTAGTGTGTGGAGTCGTGTGGCTGGCTGTGACAGCCAGTGCCTGCCACCGCAG  
TCTTTGCTGCCACAGGCATCCAGCGCAACCGCACTGTGTGCTACGACCTGAGCCACCCATCCTGTCTAC  
TCGCTACCTGCCCTATGGTATGGCCCTCACGGTCATCGGCTTCTTGTGCCCTTCATAGCCTTACTGGCT  
TGTTATTGTGCGATGGCCCGCCGCTGTGTGCCAGGATGGCCAGCAGGTCCTGTGGCCCAAGAGCGGC  
GCAGCAAGGCGGCTCGTATGGCTGTGGTGGTGGCAGCTGTCTTTGCCATCAGTTCCTGCCTTCCACAT  
CACCAAGACAGCCTACTTGGCTGTGCGCTCCACGCCCGGTGTCTTTGCCCTGTGCTGGAGACCTTCGT  
GCTGCCTACAAAGGCACTCGGCCCTTCGCCAGTGTCAACAGTGTCTGGACCCCATCTCTTCTACTTCA  
CACAACAGAAGTCCGGCGGCAACCCACGATCTTTACAGAGGCTCACAGCCAAGTGGCAGAGGCAGAG  
AGTC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG204816 representing NM\_183168  
Red=Cloning site Green=Tags(s)

MEQDNGTIQAPGLPPTTCVYREDFKRLLLTPVYSVVLVGLPLNICVIAQICASRRTLRSAYVTLNLAL  
 ADLMYACSLPLLIYNYARGDHWPFGLACRFVRFLEYANLHGSILFLTCISFQRYLGICHPLASWHKRGG  
 RRAAWVCGVVWLAVTAQCLPTAVFAATGIQRNRTVCYDLSPILSTRYLPYGMALTVIGFLLPFIALLA  
 CYCRMARRLCRQDGPAGPVAQERRSKAARMVVAAVFAISFLPFHITKTAYLAVRSTPGVSCPVLETFA  
 AAYKGRPFASVNSVLDPIILFYFTQQKFRRQPHDLLQRLTAKWQRQV

TRTRPLE - GFP Tag - V

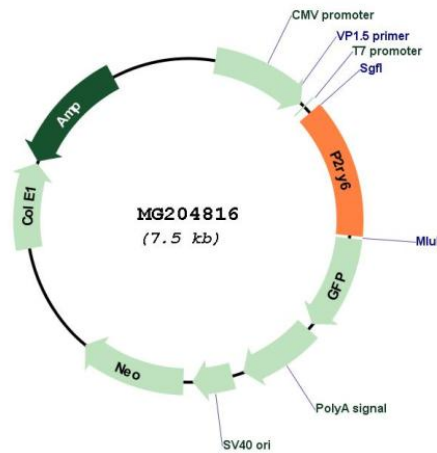
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



**Plasmid Map:**



**ACCN:** NM\_183168

**ORF Size:** 984 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_183168.2</a>
<b>RefSeq Size:</b>	1976 bp
<b>RefSeq ORF:</b>	987 bp
<b>Locus ID:</b>	233571
<b>UniProt ID:</b>	<a href="#">Q9ERK9</a>
<b>Cytogenetics:</b>	7 E2
<b>Gene Summary:</b>	Receptor for extracellular UTP > ADP = 2-methylthio-ATP > ADP-beta-S > ATP = ATP-gamma-S. The activity of this receptor is mediated by G proteins which activate a phosphatidylinositol-calcium second messenger system. Functionally coupled to phospholipase C (By similarity). [UniProtKB/Swiss-Prot Function]