

## Product datasheet for **MG226533**

### **P2ry13 (NM\_028808) Mouse Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	P2ry13 (NM_028808) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	P2ry13
Synonyms:	2010001L06Rik; GPCR1; Gpr86; GPR94; P2Y13; P2yr13; SP174
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG226533 representing NM_028808 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCTCGGGACAATCAACACCACTGGGATGCAGGGCTTCAACAAGTCTGAGCGGTGCCCCAGGGACACTC  
GGATGACACAGCTGCTGTTCCCGGTTCTCTATACTGTGGTCTTCTGCGCAGGCATCCTGCTGAACACCGT  
GGCCCTCTGGGTGTTTCGTCACATCCCCAGCAATCCACCTTTATCGTCTACCTCAAGAACACTCTGGT  
GCAGACTTGATAATGGCACTCATGCTGCCTTTCAAATCCTTTCCGACTCACACCTTGCGCCCTGGCAGC  
TCCGAGGATTTGTGTGCACGCTCTCCTCCGTGGTCTTCTATGAGACGATGTATGTGGGTATCATGATGCT  
GGCCCTCATCGCTTCGACAGGTTCCCTCAAGATCATCATGCCGTTCCAGGAAAACCTTTGTCAAAAAGACG  
GCTTTCGCAAAAACAGTCTCCATTTCCGTCTGGTCCCTGATGTTCTTCATCTCCCTGCCAAAACATGATCT  
TGAACAAGGAGGCAACGCCATCATCCGTGAAGAAGTGTGCATCTTTGAAGAGTCCCTTGGGCTGTGGTG  
GCATCAGGTGGTCACTCACACCTGCCAGTTCATTTCTGGGCTGTGTTTATTCTGATGCTTCTGTTTTAT  
GCGGTGATTACCAAAAAGGTGTACAACCTCTATAGGAAGTTTAGGAGTAAGGACAGCAGGCACAAGCGGC  
TGGAGGTGAAGGTATTTATCGTCATGGCTGTCTTCTTTGTCTGCTTTGCCCACTGCATTTTGTGAGAAT  
ACCATACACTTACAGTCAAACCACTAAGACTGACTGTAGGTTAGAAAACAGCTGTTTATTGCTAAA  
GAAGCAACTCTTTCTGGCAACAACAACTTGTATGGACCCCTTAATATACATAATTTTATGCAAGA  
AGTTCACACAAAAGGTGCCATGTGTGAGATGGGAAAGGCAAGAACAGCAGGATCAAGCGAAGACCACCA  
CAGTAGTCAGACAGACAACATCACCCCTAGCC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG226533 representing NM\_028808  
 Red=Cloning site Green=Tags(s)

MLGTINTTGMQGFNKSERCPDRDTRMTQLLFPVL YTVVFLAGILLNTVALWVVFVHIPSNSTFIVYLKNTLV  
 ADLIMALMLPFKILSDSHLAPWQLRGFVCTLSSVVFYETMYVIGIMMLGLIAFDRFLKIIMPFRKTFVKKT  
 AFAKTVSI SVWSLMFFIISLPNMILNKEATPSSVKKCSLKSPLGLWWHQVVSHTCQFIFWAVFILMLLFY  
 AVITKKVYNSYRKFRRSKDSRHKRLEVKV FIVMAVFFVCFAPLHFVRIPYYSQTTNKTDCRLENQLFIAK  
 EATLFLATTNICMDPLIYIILCKKFTQKVPVCRWKGKARTAGSSEDHSSQTDNITLA

TRTRPLE - GFP Tag - V

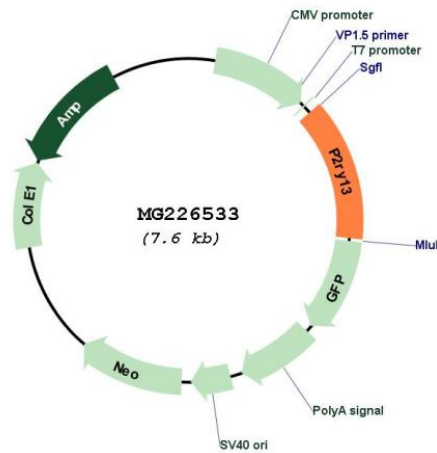
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



**Plasmid Map:**



**ACCN:** NM\_028808

**ORF Size:** 1011 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_028808.3</a> , <a href="#">NP_083084.2</a>
<b>RefSeq Size:</b>	2541 bp
<b>RefSeq ORF:</b>	1014 bp
<b>Locus ID:</b>	74191
<b>UniProt ID:</b>	<a href="#">Q9D8I2</a>
<b>Cytogenetics:</b>	3 D
<b>Gene Summary:</b>	Receptor for ADP. Coupled to G(i)-proteins. May play a role in hematopoiesis and the immune system (By similarity).[UniProtKB/Swiss-Prot Function]