

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:	<p>>MG226533 representing NM_028808</p> <p>Red=Cloning site Blue=ORF Green=Tags(s)</p>

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**C

ATGCTCGGGACAATCAACACCACTGGGATGCAGGGCTTCAACAAGTCTGAGCGGTGCCCCAGGGACACTC
 GGATGACACAGCTGCTGTTCCCGGTTCTCTATACTGTGGTCTTCCTGGCAGGCATCCTGCTGAACACCGT
 GGCCCTCTGGGTGTTCTGCCACATCCCCAGCAATCCACCTTTATCGTCTACCTCAAGAACACTCTGGTG
 GCAGACTTGATAATGGCACTCATGCTGCCTTTCAAATCCTTTCCGACTCACACCTTGCGCCCTGGCAGC
 TCCGAGGATTTGTGTGCACGCTCTCCTCCGTGGTCTTCTATGAGACGATGTATGTGGGTATCATGATGCT
 GGGCCTCATCGCTTCGACAGGTTCCCTAAGATCATCATGCCGTTCAAGAAAACCTTTGTCAAAAAGACG
 GCTTCGCAAAAACAGTCTCCATTTCCGTCTGGTCCCTGATGTTCTTCATCTCCCTGCCAAACATGATCT
 TGAACAAGGAGGCAACGCCATCATCCGTGAAGAAGTGTGCATCTTTGAAGAGTCCCTTGGGCTGTGGTG
 GCATCAGGTGGTCAGTCACACCTGCCAGTTCATTTCTGGGCTGTGTTATTCTGATGCTTCTGTTTTAT
 GCGGTGATTACCAAAAAGGTGTACAACCTCTATAGGAAGTTAGGAGTAAGGACAGCAGGCACAAGCGGC
 TGGAGGTGAAGGTATTTATCGTCATGGCTGTCTTCTTTGTCTGCTTTGCCCACTGCATTTTGTGAGAAT
 ACCATACACTTACAGTCAAACCACTAAGACTGACTGTAGGTTAGAAAACAGCTGTTTATTGCTAAA
 GAAGCAACTCTTTCTGGCAACAATAACATTTGTATGGACCCCTTAATATACATAATTTTATGCAAGA
 AGTTCACACAAAAGGTGCCATGTGTGAGATGGGAAAGGCAAGAACAGCAGGATCAAGCGAAGACCACCA
 CAGTAGTCAGACAGACAACATCACCCCTAGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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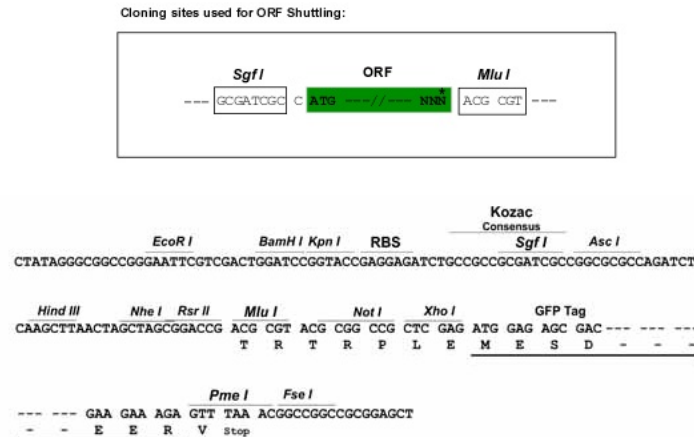
Protein Sequence: >MG226533 representing NM_028808
 Red=Cloning site Green=Tags(s)

MLGTINTTGMQGFNKSERCPRDTRMTQLLFPVL YTVVFLAGILLNTVALWVFVHIPSNSTFIVYLKNTLV
 ADLIMALMLPFKILSDSHLAPWQLRGFVCTLSSVVFYETMYVGIMMLGLIAFDRFLKIIMPFRKTFVKKT
 AFAKTVISVWSLMFFISLPNMILNKEATPSSVKKCASLKSPGLGLWWHQVVSHTCQFIFWAVFILMLLFY
 AVITKKVYNSYRKFRSKDSRHKRLEVKVFI VMAVFFVCFAPLHFVRIPYTSQTTNKTDCLLENQLFIAK
 EATLFLATTNICMDPLIYIILCKKFTQKVPCVRWGKARTAGSSEDHHSQTNDNITLA

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_028808

ORF Size: 1011 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.

Components: 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).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
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.

RefSeq: [NM_028808.3](#), [NP_083084.2](#)

RefSeq Size: 2541 bp

RefSeq ORF: 1014 bp

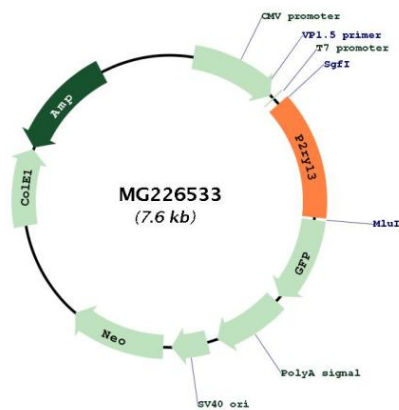
Locus ID: 74191

UniProt ID: [Q9D8I2](#)

Cytogenetics: 3 D

Gene Summary: Receptor for ADP. Coupled to G(i)-proteins. May play a role in hematopoiesis and the immune system (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG226533