

Product datasheet for **RR213227**

P2ry13 (NM_001002853) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	P2ry13 (NM_001002853) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	P2ry13
Synonyms:	P2y13
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR213227 representing NM_001002853 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCC**CGGATCGCC**

ATGCTCGGGACGGTCAACACCACTGGGATGCAGGGCTTCAACAAGTCTGAGAGGTGCCCCAGGGACACTC
GGATGACACAGCTGCTGTTCCCAGTGCTCTATACTGTGGTCTTCTTACAGGCGTCTGTGAACACCTT
GGCCCTCTGGGTGTTCCATCCACATCCCCAGCAATCCACCTTTATCATCTACCTCAAAAACACCCTGGT
GCAGACTTGATAATGACACTAATGCTCCCTTTCAAATCCTTTCTGACTCAGCCTTGCCCTGGCAGC
TCAGGGGTTTTGTGTGCACTTTCTCATCCGTGGTCTTTACGAGACAATGTATGTCGGCATCATGATGCT
GGGTCTCATCGCTTTGACAGATTCCTCAAGATCGTCGTACCGTTTAGGAAAACCTTTGTAAAAAGACT
GCTTTCGCAAAAATAGTCTCCATTTCCATCTGGCTCCTGATGTTCCCTCATCTCCCTGCCGAACATGATCT
TGAACAAAGAGGCAACGGCATCAACCGTGAAGAAATGTGCGTCCCTAAAGAGTCCCCTGGGGCTGTGTG
GCATCAAGTAGTCAGTCACACATGCCAGTTCATTTCTGGACTGTGTTTATTCTGATGCTTCTGTTTTAC
ACGGTGATTGCCAAGAAGGTATACGACTCCTATAGGAAGTTTAAAAGTAGGGACAGCAAGCACAAGCGGC
TGGAGGCGAAGGTATTTATCGTCATGGCTGTCTTCTTTGTCTGCTTTGCCCGTTTCATTTGTGTCAGAGT
ACCATACACCCACAGTCAAACCAACAAGACTGACTGTAGATTAGAAAACAGCTGTTTCTTGCTAAA
GAATCAACTCTCTCTGCAACAACATTTGTATGGACCCCTTAATATATATCATCTGTGTAAAGA
AGTTCACCCGGAAGGTACCATGTATGAGATGGAGGACAAAGACAGCGCGCTCCAGCGATGAGCACCCAG
CAGTCAGACAGACAACATCACCCATCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >RR213227 representing NM_001002853
Red=Cloning site Green=Tags(s)

```

MLGTVNTTGMQGFNKSERCPDRTRMTQLLFPVL YTVVFFTGVLNLTALWVFIHIPSNSTFIIYLKNTLV
ADLIMTLMLPFKILSDSRLAPWQLRGVCTFSSVVFYETMYVIGIMMLGLIAFDRFLKIVVPFRKTFVKKT
AFAKIVSISIWLLMFLISLPMILNKEATASTVKKCASLKSPLGLLWHQVVSHTCQFIFWTVFILMLLFY
TVIAKKVYDSYRKFKSRDSKHKRLEAKVFIVMAVFFVCFAPFHFVRVPYTHSQT TNKTDRCLENQLFLAK
ESTLFLATTNICMDPLIYIILCKKFTRKVPKMRWRTKTAASSDEHHSSQTDNITLS
  
```

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja3052_d02.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



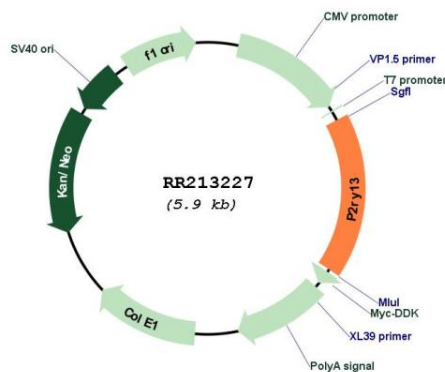
ACCN: NM_001002853

ORF Size: 1008 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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:	<ol style="list-style-type: none"> 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:	<u>NM_001002853.1</u> , <u>NP_001002853.1</u>
RefSeq Size:	1011 bp
RefSeq ORF:	1011 bp
Locus ID:	310444
UniProt ID:	<u>Q6GUG4</u>
Cytogenetics:	2q26
MW:	38.8 kDa
Gene Summary:	G-protein coupled receptor activated by ADP and 2MeSADP and inhibited by P2Y antagonist AR-C69931MX [RGD, Feb 2006]

Product images:


Circular map for RR213227