

## Product datasheet for **RR209163**

### **P2ry14 (NM\_133577) Rat Tagged ORF Clone**

#### Product data:

Product Type: Expression Plasmids  
 Product Name: P2ry14 (NM\_133577) Rat Tagged ORF Clone  
 Tag: Myc-DDK  
 Symbol: P2ry14  
 Synonyms: Gpr105  
 Mammalian Cell Selection: Neomycin  
 Vector: pCMV6-Entry (PS100001)  
 E. coli Selection: Kanamycin (25 ug/mL)  
 ORF Nucleotide Sequence: >RR209163 representing NM\_133577  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGACAACAACAACCCACAGAACCTCCAAAGCAGCCCTGCACCCGGAACACCCTGATCACACAGCAGA  
 TCATCCCCATGTTGACTGTGTGGTCTTCATCACAGGGGTCTCCTCAACGGAATATCGGGATGGATATT  
 CTTTTACGTGCCAGCTCTAAGAGTTTTATCATCTATCTCAAGAACATAGTTGTGGCTGACTTTCTCATG  
 GGCTCACTTTCCCTTTCAAAGTCCTCAGCGACTCAGGCCTCGGTCCCTGGCAGCTGAATGTGTTTGTAT  
 TCAGGGTGTCTGCCGTGATCTTCTACGTCAACATGTACGTACGATCGCGTTCTTCGGGCTCATCAGCTT  
 TGACAGGTAATAAAAATCGTGAAGCCCTTCTGGTGTCTATCGTCCAGTCAGTGAACACAGCAAAGTG  
 CTGTCCGTGCTTGTGTGGGTGCTCATGCTTCTCCTCGCTGTCCTCAACATCATTCTGACAAACAGAGTG  
 TCAAGGATGCTACTAACATACAGTGCATGGAACCAAAAACGAGCTGGGGCGGAAGTGGCACAAGGCGTC  
 TAACTATGTCTTCGTGAGCATTCTGATCGTGTTCCTTCTGCTGACCGTCTTCTACATGGCCATAACG  
 AGGAAGATCTTCAAGTCTCACCTCAAGTCCAGAAAGAATTCCATCTCCGTCAAAGGAAGTCCAGCCGCA  
 ATATATTCAGCATTGTGCTCGCATTGTGCGCTGTTTCGCGCCTTACCACGTTGCCAGGATCCCTACAC  
 CAAGAGCCAGACGAAGGACACTACAGTGCAGGCCAAGGAGACCCTGCTCTATACGAAAGAATTACCC  
 CTGCTGCTCTCGGCTGCCAATGTGTGCTGGACCCCATATCTATTCTTCTTATGCCAGCCGTTTAGAGA  
 AGTCT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR209163 representing NM\_133577  
Red=Cloning site Green=Tags(s)

MDNTTTTEPPKQPCTRNLTITQQIIPMLYCVVFITGVLLNGISGWIFFYVPSKSFIIYLKNIIVADFLM  
 GLTFPFKVLSDSGLGPWQLNVFVFRVSAVIFYVNMVYSIAFFGLISFDRIYKIVKPLLVSIQSVNYSKV  
 LSVLVWVLMLLLAVPNIIILTNQSVKDVNTIQCMELKNELGRKWHKASNYVFSIFWIVFLLLTVFYMAIT  
 RKIFKSHLKSRSKNSISVSRKSSRNIFSIVLAFAVACFAPYHVARIPYTKSQTEGHYSCQAKETLLYKFEFT  
 LLLSAANVCLDPISISSYASRLEKS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja3133\\_a03.zip](https://cdn.origene.com/chromatograms/ja3133_a03.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_133577

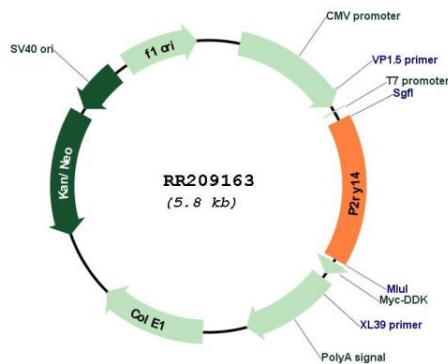
**ORF Size:** 915 bp

**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](mailto: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"><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>
RefSeq:	<a href="#">NM_133577.1</a> , <a href="#">NP_598261.1</a>
RefSeq Size:	1653 bp
RefSeq ORF:	918 bp
Locus ID:	171108
UniProt ID:	<a href="#">O35881</a>
Cytogenetics:	2q26
MW:	34.8 kDa
Gene Summary:	G-protein coupled receptor; may play a role in neuroimmune function [RGD, Feb 2006]

### Product images:



Circular map for RR209163