

Product datasheet for **MC227193**

P2ry14 (NM_001287124) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: P2ry14 (NM_001287124) Mouse Untagged Clone
Tag: Tag Free
Symbol: P2ry14
Synonyms: A330108O13Rik; Gpr105; P2Y14
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC227193 representing NM_001287124
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGATCTTTGGCTCCAGAGGTGAGAAGATGAACAACCTCCACCACCAGACCCCTCAAACCAGCCCTGCT
 CCTGGAACACCCTGATCACAAGCAGATCATTCCCGTGTGTACGGTATGGTCTTCATCAGGGGCTCCT
 CCTCAATGGGATATCAGGATGGATATTCTTTATGTGCCAGCTCCAAGATTTTATCATCTATCTCAAG
 AACATAGTGGTGGCTGACTTTCTCATGGCCTGACTTTCCCTTTCAAAGTCTTGGTGACTCAGGCCTCG
 GCCCTGGCAGGTGAATGTGTTGTGTGCGAGGGTCTCTGCCGTATCTTCTATGTTAATATGTACGTCAG
 CATCGTGTCTTTGGGCTCATCAGCTTTGACAGGTAATAAAAATGTGAAGCCCCTTCTGACGTCTATT
 GTGCAGTCGGTGAACATAGCAAGCTGCTTTCTGTGCTCGTGTGGATGCTCATGCTTCTCCTTGCTGTCC
 CAAACATCATCCTGACAAACCAGGGTGTCAAGGAGGTCACGAAGATACAGTGCATGGAGCTCAAAAAACGA
 GCTGGGGCGGAAGTGGCACAAGGCGTCTAACTATCTTCGTGAGTATCTTCTGGGTCGTGTTTCTTCTG
 CTAATCGTCTTCTACACGGCCATCACGAGGAAGATCTTCAAGTCTCACCTCAAGTCCAGGAAGAATTCCA
 CCTCCGTCAGAGGAAGTCCAGCCGCAATATCTTCAGCATCGTGTCTGTTTTTGTGCTGCTGTTTTGTGCC
 TTACCACATTGCCAGAATCCCTACACAAAGAGTCAGACGGAAGGTCACACTACAGCTGCCGGACGAAGGAG
 ACCCTGCTCTATGCGAAAAGAATCACTCTGCTACTCTCGGCTGCCAATGTGTGTCTGGACCCATTATTT
 ATTTCTTCTTATGCCAGCCATTTAGAGAAGTCTTAAATAAGAAGTTACACATGCTCAAGTCCAGAA
 TGACCTAGAGGTTTCAAACCAAAAAGGAAAAATGCGATTATGAAAGCACAGATACTTTG**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001287124



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Insert Size:	1044 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001287124.1</u> , <u>NP_001274053.1</u>
RefSeq Size:	1708 bp
RefSeq ORF:	1044 bp
Locus ID:	140795
Cytogenetics:	3 28.96 cM
Gene Summary:	Receptor for UDP-glucose coupled to G-proteins.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (8) uses an alternate splice site in the 3' terminal exon which results in a distinct 5' UTR and causes translation initiation at an upstream start codon compared to variant 1. It encodes isoform b which is longer and has a distinct N-terminus compared to isoform a. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.