

Product datasheet for **MR229404**

P2ry14 (NM_001287124) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: P2ry14 (NM_001287124) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: P2ry14
Synonyms: A330108O13Rik; Gpr105; P2Y14
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR229404 representing NM_001287124
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATCTTTGCCCTCCAGAGGTGAGAAGATGAACAACCTCCACCACCAGACCCCTCAAACCAGCCCTGCT
CCTGGAACACCCTGATCACAAGCAGATCATTCCCGTGTGTACGGTATGGTCTTCATCAGGGGCTCCT
CCTCAATGGGATATCAGGATGGATATTCTTTATGTGCCAGCTCCAAGATTTTATCATCTATCTCAAG
AACATAGTGGTGGCTGACTTTCTCATGGCCTGACTTTCCCTTTCAAAGTCTTGGTGACTCAGGCCTCG
GCCCTGGCAGGTGAATGTGTTGTGTGCGAGGGTCTCTGCCGTACTCTTCTATGTTAATATGTACGTCAG
CATCGTGTCTTTGGGCTCATCAGCTTTGACAGGTAATAAAAATGTGAAGCCCCTTCTGACGTCTATT
GTGCACTCGGTGAACATAGCAAGCTGCTTTCTGTGCTCGTGTGGATGCTCATGCTTCTCCTTGCTGTCC
CAAACATCATCCTGACAAACCAGGGTGTCAAGGAGTACGAAGATACAGTGCATGGAGTCAAAAAACGA
GCTGGGGCGGAAGTGGCACAAGGCGTCTAACTATCTTCGTGAGTATCTTCTGGGTCGTGTTTCTTCTG
CTAATCGTCTTCTACACGGCCATCACGAGGAAGATCTTCAAGTCTCACCTCAAGTCCAGGAAGAATTCCA
CCTCCGTCAGAGGAAGTCCAGCCGCAATATCTTCAGCATCGTGTCTGTTTTTGTGCTGCTGTTTTGTGCC
TTACCACATTGCCAGAATCCCCTACACAAAGAGTCAGACGGAAGTCACTACAGTCCCGGACGAAGGAG
ACCCTGCTCTATGCGAAAAGAATCACTCTGCTACTCTCGGCTGCCAATGTGTGTCTGGACCCATTATTT
ATTTCTTCTTATGCCAGCCATTTAGAGAAGTCTTAAATAAGAAGTTACACATGCTCAAGTCCAGAA
TGACCTAGAGTTTCCAAAACAAAAGGAAAATGCGATTATGAAAGCAGATACTTTG

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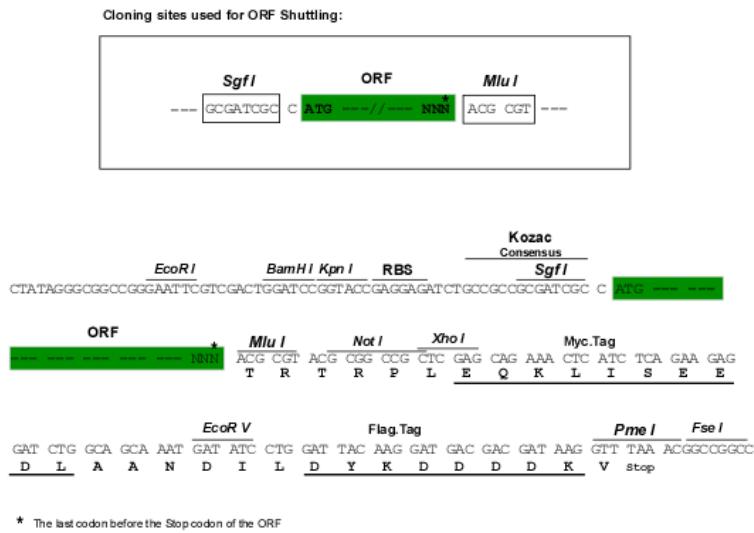
Protein Sequence: >MR229404 representing NM_001287124
 Red=Cloning site Green=Tags(s)

MIFASRGEKMNNSTTTDPPNQPCSWNTLITKQIIPVLYGMVFITGLLLNGISGWIFFYVPSKSFIIYLK
 NIIVVADFLMGLTFPFKVLGDSGLGPWQVNVFVCRVSAVIFVYVNMYSIVFFGLISFDRYYKIVKPLLSI
 VQSVNYSKLLSVLVWMLMLLLAVPNIIILTNQGVKEVTKIQCMELKNELGRKWHKASNYIFVSIWVVFLL
 LIVFYTAITRKIFKSHLKSQRNSTSVKRKSSRNIFSIIVLVFVVCVVPYHIARIPYTKSQTEGHYSCRTKE
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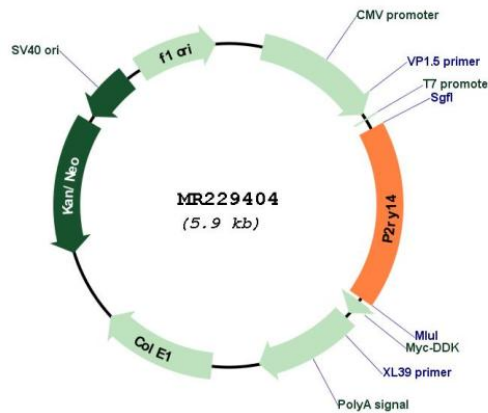
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001287124

ORF Size: 1041 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:	<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:	NM_001287124.1 , NP_001274053.1
RefSeq Size:	1708 bp
RefSeq ORF:	1044 bp
Locus ID:	140795
Cytogenetics:	3 28.96 cM
MW:	40.3 kDa
Gene Summary:	Receptor for UDP-glucose coupled to G-proteins.[UniProtKB/Swiss-Prot Function]