

Product datasheet for **MG205036**

P2ry14 (NM_001008497) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: P2ry14 (NM_001008497) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: P2ry14
Synonyms: A330108O13Rik; Gpr105; P2Y14
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG205036 representing NM_001008497
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAACAACCTCCACCACCAGACCCCTCCAAACCAGCCCTGCTCCTGGAACACCCTGATCACAAGCAGA
TCATTCCCGTGTGTACGGTATGGTCTTCATCACGGGGCTCCTCCTCAATGGGATATCAGGATGGATATT
CTTTTATGTGCCAGCTCCAAGAGTTTTATCATCTATCTCAAGAACATAGTGGTGGCTGACTTTCTCATG
GGCCTGACTTTCCCTTCAAAGTCCTTGGTGACTCAGGCCTCGGCCCTGGCAGGTGAATGTGTTGTGT
GCAGGGTCTCTGCCGTCATCTTCTATGTTAATATGTACGTCAGCATCGTGTCTTTGGGCTCATCAGCTT
TGACAGGTAATAAAAATTGTGAAGCCCTTCTGACGCTATTGTGACGTCGGTGAACATATAGCAAGCTG
CTTTCTGTGCTCGTGTGGATGCTCATGCTTCTCCTTGCTGTCCAAACATCATCCTGACAAACCAGGGTG
TCAAGGAGGTCACGAAGATACAGTGCATGGAGCTCAAAAACGAGCTGGGGCGGAAGTGGCACAAGGCGTC
TAACTATATCTTCGTGAGTATCTTCTGGGTCGTGTTTCTTCTGCTAATCGTCTTCTACACGGCCATCAGC
AGGAAGATCTTCAAGTCTCACCTCAAGTCCAGGAAGAATTCCACCTCCGTCAAGAGGAAGTCCAGCCGCA
ATATCTTCAGCATCGTGCTCGTTTTTGTGCTGCTTTGTGCCTTACCACATTGCCAGAATCCCTACAC
AAAGAGTCAGACGAAGGTCACCTACAGCTGCCGGACGAAGGAGACCCTGCTCTATGCCAAGAATCACT
CTGCTACTCTCGGCTGCCAATGTGTGCTGGACCCATTATTTATTTCTTCTTATGCCAGCCATTTAGAG
AAGTCTTAAATAAGAAGTTACACATGTCACTCAAAGTCCAGAATGACCTAGAGGTTTCCAAAACCAAAG
GGAAAATGCGATTTCATGAAAGCACAGATACTTTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG205036 representing NM_001008497
 Red=Cloning site Green=Tags(s)

MNNSTTTDPPNQPCSWNTLITKQIIPVLYGMVFITGLLLNGISGWIFFYVPPSSKSFIIYLKNIIVVADFLM
 GLTFPFKVLGDSGLGPWQVNVFVCRVSAVIFYVNMVVSIVFFGLISFDRIYKIVKPLLTISIVQSVNYSKL
 LSVLVWMLMLLLAVPNIILTNQGVKEVTKIQCMELKNELGRKWHKASNYIFVSIFVWVFLLLIVFYTAIT
 RKIFKSHLKSARKNSTSVKRKSSRNIFSVILVVFVCFVPYHIARIPYTKSQTEGHYSCRTKETLLYAKEFT
 LLLSAANVCLDPIIYFFLCQPFREVLNKKLHMSLKVQNDLEVSCTKRENAIHESDTL

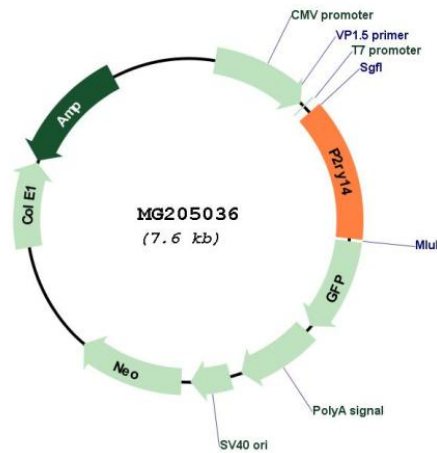
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001008497

ORF Size: 1809 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_001008497.2 , NP_001008497.1
RefSeq Size:	1718 bp
RefSeq ORF:	1017 bp
Locus ID:	140795
UniProt ID:	Q9ESG6
Cytogenetics:	3 28.96 cM
Gene Summary:	Receptor for UDP-glucose coupled to G-proteins.[UniProtKB/Swiss-Prot Function]