

Product datasheet for **MR204818**

P2ry10 (NM_172435) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	P2ry10 (NM_172435) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	P2ry10
Synonyms:	5830408N17Rik; Lypsr2; P2Y10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR204818 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGGGCAGCAACAGTACCAGCAGTGTGAGAGCAATTGCAATGCCACTTATTTGCCATTTTCAGTACTCTC
TGTATGCAACTACCTATATCTTCATATTCATCCCGGGTCTCCTGGCTAACAGTGCAGCCCTGTGGTTCT
GTGCCGTTTCATCAGCAAGAAGTACAAGGCCATCATTTTCATGATCAACCTCTCAGTGGCAGACCTTGCT
CATATCCTGTCTTACCTCTTCGGATTTACTATTATATCAATCGTCACTGGCCATTCCAGAGGGCCCTTT
GCCTGCTGTGTTTCTATCTGAAATATCTCAACATGTATGCCAGCATTTTTTCTTGACATGCATTAGCCT
TCAGAGGTGCCTCTTTCTCCTCAAACATTTCAGAGCCAGAACTGGAAGCGTAGGTACGATGTGGGCATC
AGTGCTGTCTATCTGGATTGTTGTAGGGACTGCCTGTTTGCCATTTCCCATCCTGAGAAATGCTGGCTTAG
CCAATAGCACAGATTCTCGCTTTGCTGATCTTGGGTACAAACAGATGGATGCAGTGGTTCTGGTCACCAT
GGTTGTAATTGCTGAACTTGCTGGATTTGTGATTCCAGTGATCACCATTGCATGTTGTACCTGAAAAACA
ACTGTATCCTTGAACACCCACCAATTGCTTTTCAAGGGATTAGTGAGAGGAAAAAGCATTGCGGATGG
TTTTCATGTGTGCTGCAGTCTTCGTTATCTGCTTCACTCCTTATCACATTAACCTCATTTTTTACACCAT
GGTAAAGGAAAGCATCATTACCAGTTGTCCACTGTAAAAAGTACCCTGTATTTCCATCCTTTTTCCCTA
TGCTTTCAGAGTCTGTGTTGCTTTTGGACCAATTCTGTACTATTTTCATGGCTTCAGAGTTTCGTGACC
AACTATCTCGTCATGGAAGCTCTGTTACTCGTTCGTCTCATGAGCAGGAGAGTGGATCATCAATGGT
TAAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR204818 protein sequence
Red=Cloning site Green=Tags(s)

MGSNSTSSAESNCNATYLPFQYSLYATTYIFIFIPGLLANSAALWVLCRFISKYKAIIFMINLSVADLA
 HILSLPLRIYYYINRHWPFORALCLLCFYLYLNMYASIFFLTCISLQRCLFLLKPFARNWKRRYDVGI
 SAVIWIIVGTACLPPFIPILRNAGLANSTDSRFADLGYKQMDAVVLVTMVVIAELAGFVIPVITACCTWKT
 TVSLKHPPPIAFQGISERKKALRMVFMCAAVFVICFTPYHINFIFYTMVKESIITSCPTVKSTLYFHPFSL
 CLASLCLLDPILYYFMASEFRDQLSRHGSSVTRSRLMSRESGSSMVN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_172435

ORF Size: 987 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:

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_172435.1](#), [NM_172435.2](#), [NM_172435.3](#), [NP_766023.1](#)

RefSeq Size: 2827 bp

RefSeq ORF: 987 bp

Locus ID: 78826

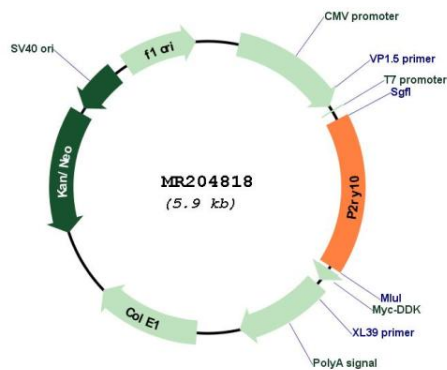
UniProt ID: [Q8BFU7](#)

Cytogenetics: X D

MW: 37.3 kDa

Gene Summary: Putative receptor for purines coupled to G-proteins.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR204818