

Product datasheet for RC213891

P2Y4 (P2RY4) (NM_002565) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	P2Y4 (P2RY4) (NM_002565) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	P2Y4
Synonyms:	NRU; P2P; P2Y4; UNR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC213891 representing NM_002565 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCAGTACAGAGTCCCTCCCTGTTGAGATCCCTAGGCCTCAGCCAGGTCTGGCAGCAGTGAGGTGG
AGCTGGACTGTTGGTTTGGATGAGGATTTCAAGTTCATCCTGCTGCCTGTGAGCTATGCAGTTGTCTTTGT
GCTGGGCTTGGGCCTAACGCCCAACCCTATGGCTTTCATCTCCGCCTCCGACCCTGGGATGCAACG
GCCACCTACATGTTCCACCTGGCATTGTCAGACACCTTGTATGTGCTGTCGCTGCCACCCTCATCTACT
ATTATGCAGCCCAACCACTGGCCCTTGGCACTGAGATCTGCAAGTTCGTCGGCTTTCTTTTCTATTG
GAACCTCTACTGCAAGTGCCTTTTCCCTCACCTGCATCAGCGTGCACCGCTACCTGGGCATCTGCCACCCA
CTTCGGGCACTACGCTGGGGCCGCCCTCGCCTCGCAGGCCTTCTCTGCCTGGCAGTTTGGTTGGTCGTAG
CCGGCTGCCTCGTGCCCAACCTGTTCTTTGTGACAACCAAGCAACAAGGGACCACCGTCTGTGCCATGA
CACCACCTCGGCCTGAAGAGTTTGACCACTATGTGCACTTCAGCTCGGCGGTGATGGGGCTGCTCTTTGGC
GTGCCCTGCCTGGTCACTCTTGTGTTGCTATGGACTCATGGCTCGTCGCCTGTATCAGCCCTTGGCAGGCT
CTGCACAGTCGTCTTCTCGCCTCCGCTCTCCTCCGACCATAGCTGTGGTGTGCTGACTGTCTTTGCTGTCTG
CTTCGTGCCTTTCCACATCACCCGACCATTTACTACCTGGCCAGGCTGTTGGAAGCTGACTGCCGAGTA
CTGAACATTGTCAACGTGGTCTATAAAGTGACTCGGCCCTGGCCAGTGCCAACAGCTGCCTGGATCCTG
TGCTCTACTTGTCACTGGGGACAATATCGACGTCAGCTCCGTGAGCTGTGGTGGTGGCAAGCCCA
GCCCCGACGGCTGCCTCTTCCCTGGCACTAGTGTCCCTGCCTGAGGATAGCAGCTGCAGGTGGGCGGCC
ACCCCCAGGACAGTAGCTGCTCTACTCTAGGGCAGATAGATTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTAA



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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_002565.3](#), [NP_002556.1](#)

RefSeq Size: 1639 bp

RefSeq ORF: 1098 bp

Locus ID: 5030

UniProt ID: [P51582](#)

Cytogenetics: Xq13.1

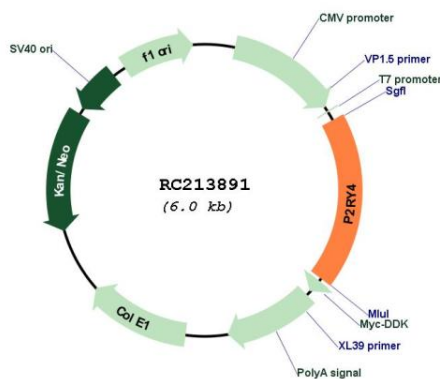
Protein Families: Druggable Genome

Protein Pathways: Neuroactive ligand-receptor interaction

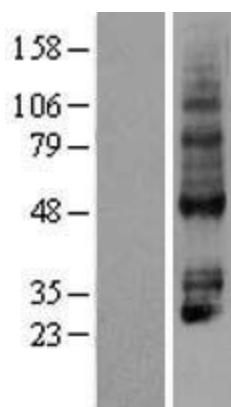
MW: 40.8 kDa

Gene Summary: The product of this gene belongs to the family of G-protein coupled receptors. This family has several receptor subtypes with different pharmacological selectivity, which overlaps in some cases, for various adenosine and uridine nucleotides. This receptor is responsive to uridine nucleotides, partially responsive to ATP, and not responsive to ADP. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC213891



Western blot validation of overexpression lysate (Cat# [LY400911]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC213891 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).