

Product datasheet for **RG206536**

P2X6 (P2RX6) (NM_005446) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	P2X6 (P2RX6) (NM_005446) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	P2X6
Synonyms:	P2RXL1; P2X6; P2XM
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG206536 representing NM_005446 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTGCCCGCAGCTAGCAGGAGCTGGCAGCATGGGCTCCCGAGGGCTACGACAGGCTGGGGCTTCTGG
ATTATAAGACGGAGAAGTATGTGATGACCAGGAAGTGGCGGGTGGGCGCCCTGCAGAGGCTGCTGCAGTT
TGGGATCGTGGTCTATGTGGTAGGGTGGGCTCTCCTCGCCAAAAAGGCTACCAGGAGCGGGACCTGGAA
CCCCAGTTTTCCATCATACCAAACCAAAGGGGTTCCGTCAGTCAAGGAGCTTGGAAACCGGC
TGTGGGATGTGGCCGACTTCGTGAAGCCACCTCAGGGAGAGAAGCTGTTCTTCTGGTGACCAACTCCT
TGTGACGCCAGCCCAAGTTCAGGGCAGATGCCAGAGCACCCGTCGGTCCCACTGGCTAAGTCTGGGTC
GACGAGGACTGCCCGAAGGGGAGGGAGGCACACAGCCACGGTGTAAAAACAGGCCAGTGTGTGGTGT
TCAATGGGACCCACAGGACCTGTGAGATCTGGAGTTGGTGCCAGTGGAGAGTGGCGTTGTGCCCTCGAG
GCCCTGCTGGCCAGGCCAGAACTTCACACTGTTCAAAAAACAGTCACTTCAGCAAGTCAAC
TTCTCTAAGTCCAATGCCTTGGAGACCTGGGACCCACCTATTTAAGCACTGCCCTATGAACCACAAT
TCAGCCCTACTGTCCCGTGTCCGCATTGGGGACCTCGTGGCCAAGGCTGGAGGACCTTCGAGGACCT
GGCGTTGTGGTGGCTCTGTAGGCATCAGAGTCACTGGGATTGTGACCTGGACACCGGGGACTCTGGC
TGCTGGCCTCACTACTCCTTCCAGTGCAGGAGAAGAGCTACAACCTCAGGACAGCCACTCACTGGTGGG
AGCAACCGGGTGTGGAGGCCGACCCCTGCTCAAGCTCTATGGAATCCGCTTCGACATCCTCGTCACCGG
GCAGGCAGGGAAGTTCGGGCTCATCCCCACGGCCGTCACTGGCACCGGGGCAGCTTGGCTGGGCGTG
GTCACCTTTTTCTGTGACCTGCTACTGCTGTATGTGGATAGAGAAGCCATTTCTACTGGAGGACAAAGT
ATGAGGAGGCCAAGGCCCGAAAGCAACCGCAACTCTGTGTGGAGGAGCTGGCCCTTGCATCCCAAGC
CCGACTGGCCGAGTGCCTCAGACGGAGCTCAGCACCTGCACCCACGGCCACTGCTGCTGGGAGTCAGACA
CAGACACCAGGATGGCCCTGTCCAAGTCTGACACCCACTTGCCAACCCATTCCGGGAGCCTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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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_005446.3](#), [NP_005437.2](#)

RefSeq Size: 2754 bp

RefSeq ORF: 1326 bp

Locus ID: 9127

UniProt ID: [O15547](#)

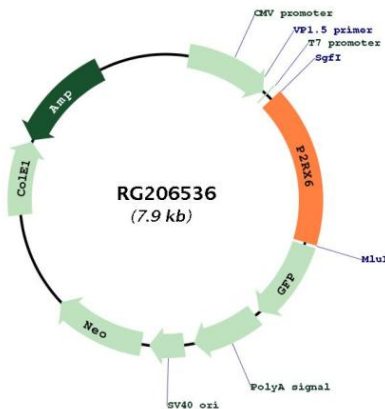
Cytogenetics: 22q11.21

Protein Families: Druggable Genome, Ion Channels: ATP Receptors, Transmembrane

Protein Pathways: Calcium signaling pathway, Neuroactive ligand-receptor interaction

Gene Summary: The protein encoded by this gene belongs to the family of P2X receptors, which are ATP-gated ion channels and mediate rapid and selective permeability to cations. This gene is predominantly expressed in skeletal muscle, and regulated by p53. The encoded protein is associated with VE-cadherin at the adherens junctions of human umbilical vein endothelial cells. Alternative splicing results in multiple transcript variants. A related pseudogene, which is also located on chromosome 22, has been identified. [provided by RefSeq, Apr 2009]

Product images:



Circular map for RG206536