

## Product datasheet for **SC317723**

### **P2X6 (P2RX6) (NM\_005446) Human Untagged Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	P2X6 (P2RX6) (NM_005446) Human Untagged Clone
Tag:	Tag Free
Symbol:	P2X6
Synonyms:	P2RXL1; P2X6; P2XM
Mammalian Cell Selection:	Neomycin
Vector:	<u>PCMV6-Neo</u>
E. coli Selection:	Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_005446 edited  
 ATGTGCCCGCAGCTAGCAGGAGCTGGCAGCATGGGCTCCCCAGGGGCTACGACAGGCTGG  
 GGGCTTCTGGATTATAAGACGGAGAAGTATGTGATGACCAGGAAGTGGCGGGTGGCCGCC  
 CTGCAGAGGCTGCTGCAGTTTGGGATCGTGGTCTATGTGGTAGGGTGGGCTCTCCTCGCC  
 AAAAAAGGCTACCAAGGAGCGGGACCTGGAACCCAGTTTTCCATCATCACCAAACCTCAA  
 GGGTTTTCCGTCAGTCAAGGAGCTTGGAAACCGGCTGTGGGATGTGGCCGACTTC  
 GTGAAGCCACCTCAGGGAGAGAAGTGTCTTCTTGGTGACCAACTTCCTTGTGACGCCA  
 GCCCAAGTTCAGGGCAGATGCCAGAGCACCCGTCGGTCCCACTGGCTAACTGCTGGGTC  
 GACGAGGACTGCCCCGAAGGGGAGGGAGGCACACAGCCACGGTGTAAAAACAGGCCAG  
 TGTGTGGTGTCAATGGGACCCACAGGACCTGTGAGATCTGGAGTTGGTCCCACTGGAG  
 AGTGGCGTTGTGCCCTCGAGGCCCTGTGGCCAGGCCAGAAGTTCACACTGTTTCATC  
 AAAAACACAGTACCTTCAGCAAGTTCAACTTCTCTAAGTCCAATGCCTTGGAGACTGG  
 GACCCACCTATTTTAAGCACTGCCGCTATGAACCACAATTCAGCCCCTACTGTCCCGTG  
 TTCCGCATTGGGGACCTCGTGGCCAAGGCTGGAGGGACCTTCGAGGACCTGGCGTTGCTG  
 GGTGGCTCTGTAGGCATCAGAGTTCAGTGGGATTTGACCTGGACACCCGGGACTCTGGC  
 TGCTGGCCTCACTACTCCTTCCAGCTGCAGGAGAAGAGCTACAATTCAGGACAGCCACT  
 CACTGGTGGGAGCAACCGGGTGTGGAGGCCCGCACCCCTGCTCAAGCTCTATGGAATCCGC  
 TTCGACATCCTCGTCACCGGGCAGGCAGGAAGTTCGGGCTCATCCCCACGGCCGTCACA  
 CTGGGCACCGGGCAGCTTGGCTGGGCGTGGTCACTTTTTCTGTGACCTGCTACTGCTG  
 TATGTGGATAGAGAAGCCATTTCTACTGGAGGACAAAGTATGAGGAGGCCAAGGCCCG  
 AAAGCAACCGCCAACCTCTGTGTGGAGGGAGCTGGCCCTTGCATCCAAGCCGACTGGCC  
 GAGTGCCTCAGACGGAGCTCAGCACCTGCACCCACGGCCACTGCTGCTGGGAGTCAGACA  
 CAGACACCAGGATGGCCCTGTCCAAGTCTGACACCCACTTGCCAACCCATTCCGGGAGC  
 CTGTAG

**Restriction Sites:** Please inquire



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<b>ACCN:</b>	NM_005446
<b>Insert Size:</b>	1300 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_005446.3</a></u> , <u><a href="#">NP_005437.2</a></u>
<b>RefSeq Size:</b>	2754 bp
<b>RefSeq ORF:</b>	1326 bp
<b>Locus ID:</b>	9127
<b>UniProt ID:</b>	<u><a href="#">O15547</a></u>
<b>Cytogenetics:</b>	22q11.21
<b>Protein Families:</b>	Druggable Genome, Ion Channels: ATP Receptors, Transmembrane
<b>Protein Pathways:</b>	Calcium signaling pathway, Neuroactive ligand-receptor interaction
<b>Gene Summary:</b>	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] Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).