

## Product datasheet for **SC331601**

### **P2X5 (P2RX5) (NM\_001204519) Human Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** P2X5 (P2RX5) (NM\_001204519) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** P2X5  
**Synonyms:** LRH-1; P2X5; P2X5R  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC331601 representing NM\_001204519.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGGGCAGGCGGGCTGCAAGGGGCTCGCTGTGCGTGTTCGACTACAAGACCGAGAAGTATGTCATC
GCCAAGAACAAGAAGGTGGGCTGCTGTACCGGCTGCTGCAGGCCTCCATCCTGGCGTACCTGGTCGTA
TGGGTGTTCTGATAAAGAAGGGTTACCAAGACGTCGACACCTCCCTGCAGAGTGTGTCATCACAAA
GTCAAGGGCGTGGCCTTACCAACACCTCGGATCTTGGCAGCGGATCTGGGATGTCGCGGACTACGTC
ATTCCAGCCCAGGAGAGAACGTCTTTTTGTGGTCACCAACCTGATTGTGACCCCCAACCGCGCAG
AACGTCTGTGCTGAGAATGAAGGCATTCCTGATGGCGCTGCTCAAGGACAGCGACTGCCACGCTGGG
GAAGCGGTTACAGCTGGAACGGAGTGAAGACCGCCGCTGCCTGCGGAGAGAGAACTTGCCAGGGGC
ACCTGTGAGATCTTTCCTGGTGCCTGGTGGAGACAAGCTCCAGGCCGGAGGAGCCATTCCTGAAGGAG
GCCGAAGACTTACCATTTCATAAAGAACCACATCCGTTTCCCCAAATCAACTTCTCCAACAATGTG
ATGGACGTCAAGGACAGATCTTTCCTGAAATCATGCCACTTTGGCCCCAAGAACCACTACTGCCCCATC
TTCGACTGGGCTCCGTGATCCGCTGGGCCGGGAGCGACTTCCAGGATATAGCCCTGGAGGGTGGCGTG
ATAGGAATTAATATTGAATGGAAGTGTGATCTTGATAAAGCTGCCTCTGAGTGCCACCCTCACTATTCT
TTAGCCGTCTGGACAATAAACTTTCAAAGTCTGTCTCCTCCGGTACAACCTTCCAGATTTGCCAGATAT
TACCGAGACGACCCGGGTGGAGTCCGCACCCTGATGAAAGCCTACGGGATCCGCTTTGACGTGATG
GTGAACGCAAGGGTCTTTCTTCTGCGACCTGGTACTCATCTACCTCATCAAAAAGAGAGAGTTTTAC
CGTGACAAGAAGTACGAGGAAGTGAAGGGCCTAGAAGACAGTTCCAGGAGGCCGAGGACAGGCATCG
GGGCTGGGCTATCTGAGCAGCTCACATCTGGCCAGGGCTGCTGGGGATGCCGGAGCAGCAGGAGCTG
CAGGAGCCACCCGAGGCGAAGCGTGGAAGCAGCAGTCAGAAGGGGAACGGATCTGTGTGCCACAGCTC
CTGGAGCCCCACAGGAGCAGTGA
  
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**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001204519  
**Insert Size:** 1266 bp



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<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>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>	<a href="#">NM_001204519.1</a>
<b>RefSeq Size:</b>	2338 bp
<b>RefSeq ORF:</b>	1266 bp
<b>Locus ID:</b>	5026
<b>UniProt ID:</b>	<a href="#">Q93086</a>
<b>Cytogenetics:</b>	17p13.2
<b>Protein Families:</b>	Druggable Genome, Ion Channels: ATP Receptors, Transmembrane
<b>Protein Pathways:</b>	Calcium signaling pathway, Neuroactive ligand-receptor interaction
<b>MW:</b>	47.1 kDa
<b>Gene Summary:</b>	The product of this gene belongs to the family of purinoceptors for ATP. This receptor functions as a ligand-gated ion channel. Alternative splicing results in multiple transcript variants. Read-through transcription also exists between this gene and the neighboring downstream gene, TAX1BP3 (Tax1 binding protein 3). [provided by RefSeq, Mar 2011] Transcript Variant: This variant (4) uses an alternate in-frame splice site in the central coding region, compared to variant 1, resulting in an isoform (D) that is shorter than isoform A.