

Product datasheet for **SC331602**

P2X5 (P2RX5) (NM_001204520) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: P2X5 (P2RX5) (NM_001204520) Human Untagged Clone
Tag: Tag Free
Symbol: P2X5
Synonyms: LRH-1; P2X5; P2X5R
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC331602 representing NM_001204520.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGGGCAGGCGGGCTGCAAGGGGCTCGCTGTGCGTGTTCGACTACAAGACCGAGAAGTATGTCATC
GCCAAGAACAAGAAGGTGGGCTGCTGTACCGGCTGCTGCAGGCCTCCATCCTGGCGTACCTGGTCGTA
TGGGTGTTCTGATAAAGAAGGGTTACCAAGACGTCGACACCTCCCTGCAGAGTGTGTCATCACAAA
GTCAAGGGCGTGGCCTTACCAACACCTCGGATCTTGGCAGCGGATCTGGGATGTCGCCGACTACGTC
ATTCCAGCCCAGAATGAAGGCATTCTGATGGCGCGTGTCCAAGGACAGCGACTGCCACGCTGGGGAA
GCGGTTACAGCTGAAACGGAGTGAAGACCGGCCGCTGCCTGCGGAGAGAGAAGTGGCCAGGGGCACC
TGTGAGATCTTTGCCTGGTGCCCGTTGGAGACAAGCTCCAGGCCGGAGGACCATTCTGAAGGAGGCC
GAAGACTTCACCATTTTCATAAAGAACCACATCCGTTTCCCAAATTCAACTTCTCCAAAAGCAATGTG
ATGGACGTCAAGGACAGATCTTTCTGAAATCATGCCACTTTGGCCCCAAGAACCACTACTGCCCCATC
TTCCGACTGGGCTCCGTGATCCGCTGGGCGGGAGCGACTTCCAGGATATAGCCCTGGAGGGTGGCGTG
ATAGGAATTAATATTGAATGGAAGTGTGATCTTGATAAAGCTGCCTCTGAGTGCCACCCTCACTATTCT
TTTAGCCGTCTGGACAATAAACTTTCAAAGTCTGTCTCCTCCGGGTACAACCTCAGATTTGCCAGATAT
TACCGAGACGCAGCCGGGGTGGAGTCCGCACCCTGATGAAAGCCTACGGGATCCGCTTTGACGTGATG
GTGAACGGCAAGGTGCTTTCTTCTGCGACCTGGTACTCATCTACCTCATCAAAAAGAGAGATTTTAC
CGTGACAAGAAGTACGAGGAAGTGAGGGCCCTAGAAGACAGTTCCAGGAGGCCGAGGACGAGGCATCG
GGGCTGGGGCTATCTGAGCAGCTCACATCTGGGCCAGGGCTGCTGGGGATGCCGGAGCAGCAGGAGCTG
CAGGAGCCACCCGAGGCGAAGCGTGGAAGCAGCAGTCAGAAGGGGAACGGATCTGTGTGCCACAGCTC
CTGGAGCCCCACAGGAGCAGTGA
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Restriction Sites: SgfI-MluI
ACCN: NM_001204520
Insert Size: 1197 bp
OTI Disclaimer: 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).



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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:	<ol style="list-style-type: none">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:	<u>NM_001204520.1</u>
RefSeq Size:	2269 bp
RefSeq ORF:	1197 bp
Locus ID:	5026
UniProt ID:	<u>Q93086</u>
Cytogenetics:	17p13.2
Protein Families:	Druggable Genome, Ion Channels: ATP Receptors, Transmembrane
Protein Pathways:	Calcium signaling pathway, Neuroactive ligand-receptor interaction
MW:	44.5 kDa
Gene Summary:	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 (5) lacks an alternate in-frame exon in the 5' coding region, compared to variant 1, resulting in an isoform (E) that is shorter than isoform A.