

## Product datasheet for SC313295

### P2X5 (P2RX5) (NM\_175080) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	P2X5 (P2RX5) (NM_175080) Human Untagged Clone
Tag:	Tag Free
Symbol:	P2RX5
Synonyms:	LRH-1; P2X5; P2X5R
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC313295 representing NM_175080. Blue=Insert sequence Red=Cloning site Green=Tag(s)

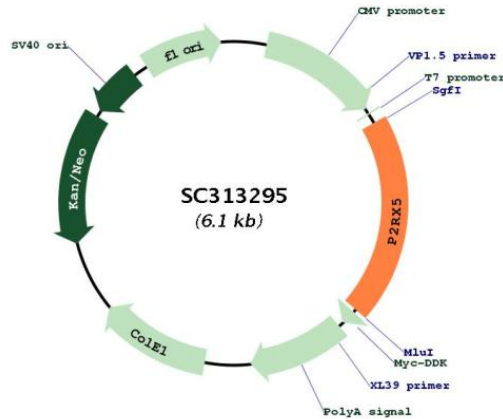
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GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGGGCAGGCGGGCTGCAAGGGGCTCTGCCTGTTCGACTACAAGACCGAGAAGTATGTCATC
GCCAAGAACAAGAAGGTGGGCTGCTGTACCGGCTGCTGCAGGCCTCCATCCTGGCGTACCTGGTCGTA
TGGGTGTTCTGTATAAAGAAGGGTTACCAAGACGTCGACACCTCCCTGCAGAGTGTGTCATCACAAA
GTCAAGGGCGTGGCCTTACCAACACCTCGGATCTTGGCAGCGGATCTGGGATGTCCGCGACTACGTC
ATCCAGCCCAGAATGAAGGCATTCCTGATGGCGCTGCTCCAAGGACAGCGACTGCCACGCTGGGGAA
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TGTGAGATCTTTGCCTGGTGCCCGTTGGAGACAAGCTCCAGGCCGAGGAGCCATTCTGAAGGAGGCC
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CGACTGGGCTCCGTGATCCGCTGGGCGGGAGCGACTTCCAGGATATAGCCCTGGAGGGTGGCGTGATA
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CGAGACGCAGCCGGGGTGGAGTTCGCACCCTGATGAAAGCCTACGGGATCCGCTTTGACGTGATGGTG
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CTGGGGCTATCTGAGCAGCTCACATCTGGGCCAGGGCTGCTGGGGATGCCGGAGCAGCAGGAGCTGCAG
GAGCCACCCGAGGCGAAGCGTGGAAGCAGCAGTCAGAAGGGGAACGGATCTGTGTGCCACAGCTCCTG
GAGCCCCACAGGAGCAGTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTAAACGGCCGGC
```

Restriction Sites: Sgfl-Mlul



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Plasmid Map:



ACCN: NM\_175080

Insert Size: 1194 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).

**OTI Annotation:** 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.

**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:**

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\\_175080.2](#)

RefSeq Size: 2266 bp

RefSeq ORF: 1194 bp

Locus ID: 5026

UniProt ID: [Q93086](#)

Cytogenetics: 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>	44.4 kDa
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (2) lacks an alternate in-frame exon in the 5' coding region, and uses an alternate in-frame splice site in the central coding region, compared to variant 1, resulting in an isoform (B) that is shorter than isoform A.</p>