

Product datasheet for **SC125030**

P2X5 (P2RX5) (NM_175081) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	P2X5 (P2RX5) (NM_175081) Human Untagged Clone
Tag:	Tag Free
Symbol:	P2X5
Synonyms:	LRH-1; MGC47755; P2X5; P2x5; P2X5R; purinergic receptor P2X, ligand-gated ion channel, 5; purinergic receptor P2X5
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_175081, the custom clone sequence may differ by one or more nucleotides

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ATGGGGCAGGCGGGCTGCAAGGGGCTCGCCTGTCGCTGTTCGACTACAAGACCGAGAAGTATGTCATCG  
CCAAGAACAAGAAGGTGGGCCTGCTGTACCGGCTGCTGCAGGCCTCCATCCTGGCGTACCTGGTCTATG  
GGTGTTCCTGATAAAGAAGGGTTACCAAGACGTCGACACCTCCCTGCAGAGTGCTGTCATCACCAAAGTC  
AAGGGCGTGGCCTTCACCAACACCTCGGATCTTGGGCAGCGGATCTGGGATGTCGCCGACTACGTCATTC  
CAGCCCAGGGAGAGAACGTCTTTTTTGTGGTCACCAACCTGATTGTGACCCCAACCAGCGGCAGAACGT  
CTGTGCTGAGAATGAAGGCATTCTGATGGCGCGTGCTCCAAGGACAGCGACTGCCACGCTGGGGAAGCG  
GTTACAGCTGGAACGGAGTGAAGACCGCCGCTGCCTGCGGAGAGAGAACTTGGCCAGGGGCACCTGTG  
AGATCTTTCCTGGTGCCGTTGGAGACAAGCTCCAGCCGGAGTGA
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_175081 unedited GTGTCAGGATTTTGTAAACGACTTCACTATAGGGCGGCCGGAATTCGCACCAGGTCAA TAAAAGGCCGCCCCGACCCGCCCCCGCCCGCCGAGCCCTGCCGGACACCCCGGGCTGCA GCTGAGCGGGCGCAGACGGGCCGAGGCGGGCGCCGGCGCGCAGGGACCGAGGGACCGAG TGCTCCCATGAGCGCACGTGGGCCGGGCGGTCCGCAAGCCCGGTGAGAGCGGCCATG GGGCAGGCGGGCTGCAAGGGGCTCTGCCTGTCGCTGTTTCGACTACAAGACCGAGAAGTAT GTCATCGCCAAGAACAAGAAGGTGGGCTGCTGTACCGGTGCTGCAGGCCTCCATCCTG GCGTACCTGGTCGTATGGGTGTTCTTGATAAAGAAGGGTTACCAAGACGTCGACACCTCC CTGCAGAGTGCTGCATACCAAAGTCAAGGGCGTGGCCTTACCAACACCTCGGATCTT GGGCAGCGGATCTGGGATGTCGCGGACTACGTCATTCCAGCCCAGGGAGAGAACGCTTTT TTTGTGGTCACCAACCTGATTGTGACCCCAACCAGCGGCAGAACGTCTGTGCTGAGAATG AAGGCATTCTGATGGCGCTGCTCCAAGGACAGCGACTGCCACGCTGGGGAAGCGGTTA CAGCTGGAACCGAGTGAAGACCGCCGCTGCCTGCGGAGAGAGAACTTCCAGGGGCAC CTGTGAGATCTTTGCCTGGTCCCGTTGGAGACAAGCTCCAGGCCGAAGGAGCATTTCCT GAAGGAGCCGGAGACTTCCATTTTATTAAGACCCACATCGTTTCCCAAATTAACTTTTTC AAAAGCATGTGATGGACGTCAAGAACAGATTTTTCTGAAATATGCCCTTGGCCCAAGAC CCTACTGCCCATTTTCGATTGGTTC
Restriction Sites:	NotI-NotI
ACCN:	NM_175081
Insert Size:	2200 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).
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_175081.1, NP_778256.1</u>
RefSeq Size:	958 bp
RefSeq ORF:	537 bp
Locus ID:	5026
Cytogenetics:	17p13.2
Protein Families:	Druggable Genome, Ion Channels: ATP Receptors, Transmembrane
Protein Pathways:	Calcium signaling pathway, Neuroactive ligand-receptor interaction

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 (3) lacks a segment in the coding region and differs in the 3' UTR, compared to variant 1. Its predicted isoform (C) has a shorter C-terminus, compared to isoform A.