

Product datasheet for **SC109527**

P2X5 (P2RX5) (NM_002561) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	P2X5 (P2RX5) (NM_002561) Human Untagged Clone
Tag:	Tag Free
Symbol:	P2X5
Synonyms:	LRH-1; P2X5; P2X5R
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene sequence for NM_002561 edited
GAATTCGGCACGAGGCCCTGCCGGACACCCGGGCTGCAGCTGAGCGGGCGCAGACGGGC
CGAGGCGGGCGCCGGGCGCGCAGGGACCGAGGGACCGAGTGTCCCCATGAGCGCACGTG
GGCCGGGCGGTCCGCAAGCCCGGCTGAGAGCGCGCCATGGGGCAGGCGGGCTGCAAGGGG
CTCTGCCTGTGCTGTTTCGACTACAAGACCGAGAAGTATGTCATCGCCAAGAACAAGAAG
GTGGGCTGCTGTACCGGCTGCTGCAGGCCTCCATCCTGGCGTACCTGGTCGTATGGGTG
TTCCTGATAAAGAAGGGTTACCAAGACGTCGACACCTCCCTGCAGAGTGTGCATCACC
AAAGTCAAGGGCGTGGCCTTACCAACACCTCGGATCTTGGGCAGCGGATCTGGGATGTC
GCCGACTACGTATTCCAGCCCAGGGAGAGAACGTCTTTTTTGTGGTCACCAACCTGATT
GTGACCCCAACAGCGGCAGACGTCTGTGCTGAGAATGAAGGCATTCTGATGGCGCG
TGCTCCAAGGACAGGACTGCCACGCTGGGGAAGCGGTTACAGCTGAAAACGGAGTGAAG
ACCGGCCGCTGCCTGCGGAGAGAGAACTTGGCCAGGGGCACCTGTGAGATCTTTCGCTGG
TGCCCGTGGAGACAAGCTCCAGGCCGAGGAGCCATTCTGAAGGAGGCCGAAGACTTC
ACCATTTTCATAAAGAACCACATCCGTTTCCCAAATCAACTTCTCCAAAAGCAATGTG
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TGCCCATCTTCCGACTGGGCTCCGTGATCCGCTGGGCCGGGAGCGACTTCCAGGATATA
GCCCTGGAGGGTGGCGTGATAGGAATTAATATTGAATGGAAGTGTGATCTTGATAAAGCT
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AAGAAGTACGAGGAAGTGAGGGCCTAGAAGACAGTCCCAGGAGGCCGAGGACGAGGCA
TCGGGGCTGGGGCTATCTGAGCAGCTCACATCTGGGCCAGGGCTGCTGGGGATGCCGGAG
CAGCAGGAGCTGCAGGAGCCACCCGAGGCGAAGCGTGGAAGCAGCAGTCAGAAGGGGAAC
GGATCTGTGTGCCACAGCTCCTGGAGCCCACAGGAGCACGTGAATTGCCTCTGCTTAC
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CCCAGGATGCTGCCAACGGGAAATTTGTACATTGGGTGCTATCAATGCCACATCACAGG
GACCAGCCATCACAGAGCAAAGTGACCTCCACGTCTGATGCTGGGGTATCAGGACGGAC
CCATCATGGCTGTCTTTTGGCCACCCCTGCCGTGAGTCTTCTCTTCTCCGTGGCTG
GCTTCCCCTACTAGGGAACGGGTTGTAATGGGGAACATGACTTCTTCCGGAGTCTTG
AGCACCTCAGCTAAGGACCGCAGTGCCCTGTAGAGTTCCTAGATTACCTACTGGGAATA
GCATTGTGCGTGTCCGAAAAGGCTCCATTTGGTTCCAGCCACTCCCTCTGCAAGTG
CCGAGCTTCCCTCAGAGCATACTCTCCAGTGGATCCAAGTACTCTCTCTCTAAAGACA
CCACCTTCTGCCAGCTGTTTGGCCTTAGGCCAGTACACAGAATTAAGTGGGGGAGATG
GCAGACGCTTTCTGGGACCTGCCAAGATATGATTCTCTGACACTTTATTTGGTCATA
AAACAATAAATGGTGTCAATTTCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AACTCGAC
    
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_002561 unedited TAGCATTGTGAATACGACTTCACTATAGGGCGGCCGCAATTCGCACGAGGCCCTGCCGG ACACCCCGGGCTGCAGCTGAGCGGGCGCAGACGGGCCGAGGCGGGCGCCGGGCGCGCAGG GACCGAGGGACCGAGTGTCCCCATGAGCGCACGTGGGCCGGGCGGTCCGCAAGCCCGGC TGAGAGCGGCCATGGGGCAGGCGGGCTGCAAGGGGCTCTGCCTGTCGCTGTTGACTAC AAGACCGAGAAGTATGTCATCGCAAGAACAAGAAGGTGGGCTGCTGTACCGGTTACCAA CAGGCTCCATCCTGGCGTACCTGGTGTGATGGGTGTTCTGATAAAGAAGGGTTACCAA GACGTCGACACCTCCCTGCAGAGTGTGTCATACCAAAGTCAAGGGCGTGGCCTTCACC AACACCTCGGATCTTGGGCAGCGGATCTGGGATGTCGCCGACTACGTATTCCAGCCAG GGAGAGAAGCTCTTTTTGTGGTCACCAACCTGATTGTGACCCCAACCAGCGGCAGAAC GTCTGTGCTGAGAATGAAGGCATTCTGATGGCGCGTGTCCAAGGACAGCGACTGCCAC GCTGGGAAGCGGTTACAGCTGGAACGGAGTGAAGACCGGCCGCTGCCTGCGGAGAGAG AACTTGGCCAGGGCACCTGTGAGATCTTGCCTGGTCCCGTTGGAGACAAAGCTCAGG CCGGGAGAGCCATTCTGAAAGGAGCCGAAGACTTCACCATTTTCATAAAGACCACATCC GTTTTCCAAATTCACCTCTNCAAAAGCATGTGATGGACGTCAAGACAGATCTTCTGTA AATCATGCCACTTTGGCCCCAGAACACTACTGCCCATCTTTCGACTGGGCTNCGTGAT CCGCTGGCCGGGAGCGACTTCAGGAATAACCCTGGAGGGTGCCTGATANGAATAATATGG ATGGACT</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_002561 unedited NGGTCTATTATGTACGCGCCGATTCTANGATCGTTTTTTTTTTTTTTTTTTTTTTTTTTT TTTTTTTTTTTTTTTGAATTGACACCCTTTATTGGTTTATGACCAAATAAAAGTGTGAG AAAATACCTATCTTGGGCAGTCCCAAAAAGCGTCTGCCATCTCCCCACTTTAATTCTG TGTAAGTGGCTAAAGGCAAAAGCTGGCAAGAAAGTGGGGTCTTTAAGAAAAAAGTACT TGGATCCACTGGAAGTATGCTCTGAAGGAAACTGCGGCCTTGCAAAAGGGAGTGGGCT GGAACCAATGGAGCCCTTTCCGGACCCACAATGCTTTTCCAGTGAGGTAATCTAA GAACTCTACAGGGCACTGCGGTCCTTAACTGAAGTGTCAAAGACTCCGGAAGGAAGTCA TGTTCCCATTTACAACCGTTCCTAGTGCGGGAAGCCAGCCACGGAGAAAGGAAAAAC TGACGGCAGGGGTGGGGCAAAAAGACAGCCCTGATGGGTCCGTCCTGATGACCCAGCA TCAGACGTGGAGTCACTTTGCTCTGTGATGGTGGTCCCTGTGATGTGGCATTGATAG ACCCAATGTACAATTTCCCGTTGGGCAGCATCCTGGGATTCCCAAAAGCATGGGATCAC TGGGTGCTAGACGGCTGGGTTAAGACAGGGCCTGAACGTAGCAGAAGCAATTCAGTGC TCCTGTGGGAGCTCCAGGAGCTGTGGGCACACAGGATTGTTCCCTTTTTGACTGCTGC TTCCACGCTTCGCTCCGGGTGGGCTCCTGCAGCTCCTGCTGCTTCGGGATTCCACAGC CCTGGCCCAATGGGAGTGTCAAAGCCCCAGCCCC</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_002561
Insert Size:	2250 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:	NM_002561.2 , NP_002552.2
RefSeq Size:	2206 bp
RefSeq ORF:	1269 bp
Locus ID:	5026
UniProt ID:	Q93086
Cytogenetics:	17p13.2
Domains:	P2X_receptor
Protein Families:	Druggable Genome, Ion Channels: ATP Receptors, Transmembrane
Protein Pathways:	Calcium signaling pathway, Neuroactive ligand-receptor interaction
Gene Summary:	<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 (1) represents the longest transcript and encodes the longest isoform (A).</p>