

## Product datasheet for **SC127202**

### PEX5 related protein (PEX5L) (NM\_016559) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PEX5 related protein (PEX5L) (NM_016559) Human Untagged Clone
Tag:	Tag Free
Symbol:	PEX5 related protein
Synonyms:	PEX5R; PEX5RP; PXR2; PXR2B; TRIP8b
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL4</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_016559, the custom clone sequence may differ by one or more nucleotides

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ATGTACCAGGGACACATGCAGAAAAGTAAAGAACAAGGATATGGAAAACCTAAGCAGTGATGAAGACCTCG
AAATAATTGTTGATCAAAAGCAGGGAAAAGGCTCTAGGGCGGCAGATAAGGCTGTTGCCATGGTGATGAA
GGAGATACCGAGGGAGGAGTCTGCTGAAGAAAAGCCCTCCTTACTATGACATCACAGCTGGTGAATGAG
CAACAAGAAAGCAGACCCCTCCTGAGTCCCTCCATCGATGACTTTCTCTGTGAAACCAAATCGGAAGCAA
TAGCAAGGCCAGTAACATCCAATACAGCTGATTGACCACTGGCTTAGATCTCCTCGACCTGAGTGAACC
AGTCTCTCAAACCCAAACCAAAGCCAAGAAGTCAGAGCCCTCATCAAAAACCTCATCCCTCAAGAAAAAG
GCCGATGGATCTGACCTCATCAGCACGGATGCTGAGCAGAGAGGCCAGCCTCTCAGAGTCCCGGAGACTT
CATCCTTAGATCTAGACATTCAAACACAACCTGGAAAAATGGGACGATGTTAAGTTTCATGGAGATCGAAA
TACCAAGGGACATCCAATGGCAGAGAGAAAATCATCCTCATCTAGAAGTGGATCAAAGAGCTCTTATGG
TCCTCAGAACACAGATCTCAACCAGAAGTGAAGTGGTGGAAAAAGCGCCCTCAACTCTGAGTCGGCTTCAG
AATTGGAATTAGTGGCTCCGACTCAGGCTCGACTGACCAAGAACATCGTGGGAAGCGCATTACTTTC
TAGAAACCACTCCTTAGAAGAAGAGTTTGAAAGGGCAAAAAGCAGCAGTGGAGTCAGATACAGAGTTTGG
GATAAGATGCAAGCAGAATGGGAAGAAATGGCTCGGAGGAAGTGGATATCTGAGAACCAAGAAGCCAGAA
ACCAAGTAACCATCTCGGCTAGTGAGAAGGGATATTACTTTCACACTGAAAACCCCTTCAAGGACTGGCC
TGGAGCATTTGAAGAAGGCTTAAAAAGGCTGAAGGAAGGGGATCTGCCAGTACCATCCTGTTTATGGAA
GCAGCAATTTCCAGGACCTGGAGATGCAGAGGCATGGCAGTTCCTCGGATAACCCAGGCGGAGAAATG
AAAATGAACAAGCAGCTATTGTCGCCCTCCAGAGGTGCTTAGAATTACAGCCCAACAACCTTAAAAGCTTT
ATTAAGCAAAAATCCAAAGTACAAAATACCTTGTGAAAAGCAAGAAGGGATCTCCAGGCCCTACCCGGCGGA
TGTCTAAGTCCCGAGTTGATAGCTCTGTTCTGGAAGGGTGAAGGAATTATATCTGGAAGCTGCCACCA
AAATGGAGATATGATCGACCCAGACCTGCAGACAGGTCTAGGGTTCTGTTCCACCTGAGTGGAGAAATTT
AATAGAGCAATAGATGCATTTAACGCTGCCTTAACTGTTCCGCCAGAGGACTATTCATATGGAACCGCC
TCGGGGCGACCTTGGCGAACGGAGACCGCAGCGAGGAAGCCGTGGAGGCCTATACCGGAGCACTGGAGAT
TCAGCCAGGATTCATCCGGTCCAGATACAACCTAGGAATAAGCTGCATCAACCTGGGCGCCTACAGAGAA
GCGGTGAGCAATTTTCTCACTGCCCTCAGTTTGCAAAGAAAGAGCAGGAATCAGCAGCAAGTTTCTCATC
CTGCAATCTCTGGGAATATCTGGGCTGCCCTCAGAATTGGCTCTCTCTGATGGACCAACCAGAAGCTCTT
CCAGGCGGCTAATCTTGGTGACCTGGATGTCCTCTTAAAGAGCTTCAACTGGATCCTTGA
    
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**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_016559 unedited

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TTTTGTAATACGACTCACTATAGGGGCGCCGCGATTTCGGCAGAGGGGANAGAGACATG
AGGCAACCTGGCAGGAAGCGAGAAAGAGTTTCGGCGAAGAAGGAGTGAGTTCTAGAGACGC
CCCGCGAGCAGGACCCGCGCCTGCAGGAGAGCCTGGCCGACCCGCTCCTCGCCTTCTCT
GCGCGCTCTCCCGCTCCGCTTTTCAGCACCCCGAGCGGAGAACAGTTCCCGGAGCCCGC
AGCGCTGCCGAGTGGCCGCGGCGGCGGAGTACCCGGAGCTCCAGGGGGCTCAGGAGCA
CCCTCTGAGAACCCGCTGTGCACCCACCTTTCCCTCTTTTGGTGGCAAGTAAGCAGC
GGGAAAAGCATCCGGTGGCCTCAGGGAGCCCTGAAGAAACCGAAGCAGAATGTACCAGG
GACACATGCAGCTGGTGAATGAGCAACAAGAAAGCAGACCCCTCCTGAGTCCCTCCATCG
ATGACTTTCTCTGTGAAACCAAATCGGAAGCAATAGCAAGGCCAGTAACATCCAATACAG
CTGTATTGACCACTGGCTTAGATCTCCTCGACCTGAGTGAACCAGTCTCTCAAACCCAAA
CCAAAGCCAAGAAGTCAAGACCCCTCATCAAAAACCTCATCCCTCAAGAAAAGGCCGATG
GATCTGACCTCATCAGCACGGATGCTGAGCAGAGAGGCCAGCCTCTCAGAGTCCCGGAG
ACTTCATCCTTAGATCTAGACATTCAAACACAACCTGGAAAAATGGGNACGATNNGTATG
TTCATGGGAGATCGAAATACCAAGGGACATCCAATGGCAGAGAGAAAATCATCCTCATCT
AGAAGTGGATCAAAGAGCTCTTATGGTCTCAGAACACAGATCTCAACCGAACTTGAGT
GGTGGAAAAAGCGCCCT
    
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<b>3' Read Nucleotide Sequence:</b>	>OriGene 3' read for NM_016559 unedited CTTGGCCGCGCCGCAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTCC AGCAGGGCATAAATAAGATATTAAGGGCATATATACAATACCAGAAAAGTTAAATTGG GAACAGCAAAAATTTCTAGGGCAAAAAGCTTTTCCAGCAAAGCTCCCTCTCTGGAAT CAAAGGGCTACAGTAAAAGTTAAAATTGGAACAGGTTTAAAGCAATGTCTGTCTTTAGTCA CAAGTTAATATATGTGCATGCACCAATGGCCCAAACATGTTTCAGTCTTGCAAAAAAAA CAGTTCAAAAACAGTCAAATTTCCCAATCTGAGGCAGGGCTTTTCCATGTTTCCCATG AACAAAGTTCCTCAAATGTGTATCAGCTGCAAGGGGAGACAAAAACCCAAAGAATGT GTTGCAATATGCTTGCAACTTGTGAAAGAGTATTCAACACACAGTACTTTATCTTGGT TTGCCTTGAGTCTCTTAATTTCTTTTGGCCTGACTTTGACTCTATATAACAATTTT GGGCTTTTGGATCTGAACAGAGACTGGGCATTGCCACAGGAATTAATTTCTTGGGCTA TATGACCATGGCCTTTTGAATTTTGATTTATCCTTTTGAATTCATAATAAAAAAGTTT TTGATTTTTCAGTACAATCACACAGATCAGGGATTATTAGCACTGGGATTATTCTTTCTT CAAGGATCCAAGTTGAAAGCTCTTAAGAGGACATCCAGTCACCAAGATTAGCCGCTGG AAGAGTTCTGGTTGGTCCATCAGAGAGAGCGCATTCTGAGGGCAGCCAGATATTCCAG AGATTGCAGGATGAGAACTNGCTGCTGATTCCCTGCTCTTCCCTGCAACTGAGGCAGTG AGAAAATGCTGACCGCTCTTGTAGGCGCCAGGTTGAAGCGCTTATTCCTAGGTGTATC TGGACCGATGAATCCT
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_016559
<b>Insert Size:</b>	2630 bp
<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>	<u><a href="#">NM_016559.1</a></u> , <u><a href="#">NP_057643.1</a></u>
<b>RefSeq Size:</b>	3577 bp
<b>RefSeq ORF:</b>	1881 bp
<b>Locus ID:</b>	51555
<b>UniProt ID:</b>	<u><a href="#">Q8IYB4</a></u>
<b>Cytogenetics:</b>	3q26.33
<b>Domains:</b>	TPR

**Protein Families:** Druggable Genome

**Gene Summary:** Accessory subunit of hyperpolarization-activated cyclic nucleotide-gated (HCN) channels, regulating their cell-surface expression and cyclic nucleotide dependence.[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (1) encodes isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.