

## Product datasheet for **SC122683**

### PEX14 (NM\_004565) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PEX14 (NM_004565) Human Untagged Clone
Tag:	Tag Free
Symbol:	PEX14
Synonyms:	dj734G22.2; NAPP2; PBD13A; Pex14p
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:**

>OriGene sequence for NM\_004565 edited  
 GGCCTCAGAAAGATGGCGTCTCTCGGAGCAGGCAGAGCAGCCGAGCCAGCCAAGCTCTACT  
 CCAGGAAGTAAAATGTGCTGCCTCGAGAGCCGCTGATTGCCACGGCAGTGAAGTTTCTA  
 CAGAATCCCAGGTCGCCAGAGCCACTTGAACCCAGGAGAGCATTCTAAAGAAGAAA  
 GGGCTGACAGATGAAGAGATTGATATGGCCTCCAGCAGTCGGGCACTGCTGCCGATGAG  
 CCTTCGTCTTGGGCCAGCCACACAGGTGGTTCTGTCCAGCCCCCTCACCTCATATCT  
 CAGCCATACAGTCCCAGGCTCCCGATGGCAGATTACGGCGCCCTGGCCATCATATG  
 GCAGGATTGCATTTGGCTTTCACCAGCTCTACAAGAAATACCTGCTCCCCCTCATCCTG  
 GCGGCCGAGAGGACAGAAAGCAGCTGGAGAGGATGGAGGCCGGTCTCTGTGAGTGAGT  
 GGCAGCGTGGCCAGACAGTGACTCAGTTACAGACGACCCTCGCCTCCGTCAGGAGCTG  
 CTGATTCAGCAGCAGCAGAAGATCCAGGAGCTTGCCACGAGCTGGCCGCTGCCAAGGCC  
 ACCACATCCACCAACTGGATCCTGGAGTCCCAGAATATCAACGAACTCAAGTCCGAAATT  
 AACTCCTTGAAGGGCTTCTTTAAATCGGAGGCAGTTCCCTCCATCCCCATCAGCCCCG  
 AAGATCCCCTCCTGGCAGATCCCAGTCAAGTACCCTCACCTCCAGCCCTGCGGCCGTG  
 AACCACCACAGCAGCAGGACATCTCACCTGTCAGCAACGAGTCCACGTGCTCCTCGCT  
 GGGAAAGGAGGCCACAGCCCCGAGGGCTCCACGCTCACCTACCCTTGCTGGGCCCCAG  
 GAGGAAGGCCGAGGGGTGGTGGACGTCAAGGGCCAGGTGCGGATGGAGGTGCAAGGCCAG  
 GAGGAGAAGAGGGAGGACAAGGAGGACGAGGAGGATGAGGAGGATGATGATGTGAGCCAT  
 GTGGACGAGGAGGACTGCCTGGGGTGCAGAGGGAGGACCGCCGGGGCGGGGATGGGCG  
 ATCAACGAGCAGGTGGAGAAGCTGCGGCCGCCGAGGGGCCAGCAACGAGAGTGAAGCG  
 GACTAGGGCTGCGCTGCTGCCTCCAGCCCTGAGGATGGCATCTAGTGTGCCCGTGCCTG  
 GCCATACCCTGCCTCCCTCTGTGCCCTGGGAGGGCAGCTTGAGCCAGGTAGGGGGCA  
 GAGCTGTCTCAGCTGCCTGCGGCTGGTGGCAGTGTGGGAGTCAACTTCTGTCCAC  
 CTGGCCTCCTCTGCCTGGCCGCCAGCCCCAGCCCCAGCCCCAGCCCCAGCCCCAGCTGC  
 CTTTGGCTTTGATCTCAAGTCAAGCTGAAGGCAGCGAAGCCTCGGGGCCAAGCCCTCC  
 CCAGCCCCCTCTCCCGACAGACGCCTTGCCAGGGTGTGTTTGTGAGTGTCTTGACTA  
 CCGTGACACCACGCATGGCCAGAGCTAGCGTCCCTACTGCCTCCCGACTCCTCAGTGGAG  
 GAGGAGCTGCGGTCCCTCTGGTGTCTGCCATCCCCCTCCCTCCCTGGGCCGGCCCTGGA  
 CCCGTGAGGTGCCTGTCCCAGCCCCAACCCACTCATGCCCCGTGCTCCTCCAGACAA  
 ATGAAACCACGCTGCGCTTCGATGCCCCGCTTGCCGTGTAATGTTTCACTAATCCCA  
 TGCGGAGATGGGGCTCACTCCGAGGAGGAGCCAGGCAGAGGGCTTCTGACCAACA  
 GCCAGCTCTGTCTTCCCCCAGGAAACACATGTTCAATTTGTGTGATCATGTATAGACCT  
 CAGAACGGAAGATAGGACTGTATATAATTGTAATAAATACCAGTTGCCACTATTTAAAAA  
 AAAAAAAAAAAAAAAAAA

**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_004565 unedited  
 GAGCCAGTTTTGTAACGACTTTCTATAGGGCGCCGCAATTCGCACGAGGGCCTCAGA  
 AAGATGGCGTCTCGGNACAGGCAGAGCAGCCGAGCCAGCCAAGCTCTACTCCAGGAAGT  
 GAAAATGTGCTGCCTCGAGAGCCGCTGATTGCCACGGCAGTGAAGTTTCTACAGAATTCC  
 CGGGTCCGCCAGAGCCACTTGCAACCCAGGAGAGCATTCTAAAGAAGAAAGGGTGA  
 GATGAAGAGATTGATATGGCCTTCCAGCAGTCGGGCACTGCTGCCGATGAGCCTTCGTCC  
 TTGGGCCAGCCACACAGGTGGTTCTGTCCAGCCCCCTCACCTCATATCTCAGCCATAC  
 AGTCCCGCAGGCTCCCGATGGCGAGATTACGGCGCCCTGGCCATCATCATGGCAGGCATT  
 GCATTTGGCTTTACCAGCTCTACAAGAAATACCTGCTCCCCCTCATCTGGGCGGCCGA  
 GAGGACAGAAAGCAGCTGGAGAGGATGGAGGCCGGTCTCTGTGAGCTGAGTGGCAGCGTG  
 GCCCAGACAGTACTCAGTTACAGACGACCCTCGCCTCCGTCAGGAGCTGCTGATTCAG  
 CAGCAGCAGAAGATCCAGGAGCTTGCCACGAGCTGGCCGCTGCCAAGGCCACCACATCC  
 ACCAACTGGATCCTGGAGTCCCAGAATATCAACGAACTCAAGTCCGAAATTAACTCCTTG  
 AAAGGGCTTCTTTAAATCGGAGGCAGTTCCCTCCATCCCCATCAGCCCCGAAAGTCCCC  
 TCCTGGCAGATCCCAGTCAAGTACCCTCACCTCCAGCCCTGCGGCCGTGAACCACCAC  
 AGCAGCAGCGACATCTCACCTGTCAGCAACGAGTCCACGTGCTCCTCGCTGGNGAAGGA  
 GGGCCACAGCCCCGAGGGCTCNCGGTCACTACCACTGCT

<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_004565
<b>Insert Size:</b>	1945 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>	<a href="#">NM_004565.1</a> , <a href="#">NP_004556.1</a>
<b>RefSeq Size:</b>	1908 bp
<b>RefSeq ORF:</b>	1134 bp
<b>Locus ID:</b>	5195
<b>UniProt ID:</b>	<a href="#">O75381</a>
<b>Cytogenetics:</b>	1p36.22
<b>Protein Families:</b>	Druggable Genome
<b>Gene Summary:</b>	This gene encodes an essential component of the peroxisomal import machinery. The protein is integrated into peroxisome membranes with its C-terminus exposed to the cytosol, and interacts with the cytosolic receptor for proteins containing a PTS1 peroxisomal targeting signal. The protein also functions as a transcriptional corepressor and interacts with a histone deacetylase. A mutation in this gene results in one form of Zellweger syndrome. [provided by RefSeq, Jul 2008]