

## Product datasheet for SC118547

### PEX13 (NM\_002618) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PEX13 (NM_002618) Human Untagged Clone
Tag:	Tag Free
Symbol:	PEX13
Synonyms:	NALD; PBD11A; PBD11B; ZWS
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC118547 sequence for NM_002618 edited (data generated by NextGen Sequencing)

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ATGGCGTCCCAGCCGCCACTCCCCCAAACCCTGGGAGACCCGCCGAATTCCGGGAGCC
GGACCGGGACCAGGACCGGGCCCACTTTCCAATCTGCTGATTTGGGTCCTACTTTAATG
ACAAGACCTGGACAACCAGCACTTACCAGAGTGCCCCCACTATTCTTCAAGGCCATCA
CAGCAGACAGGAAGTAGCAGTGTGAACACTTTTAGACCTGCTTACAGTTCAATTTCTTCT
GGATATGGTGCCTATGGAAATTCATTTTATGGAGGCTATAGTCTTATAGTTATGGATAT
AATGGGCTGGGTACAACCGCTCCGTGTAGATGATCTTCCACCCAGTAGATTTGTTTCA
CAAGCTGAAGAAAGCAGCAGGGGTGCATTTTCAGTCCATTGAAAGTATTGTGCATGCATTT
GCCTCTGTCAGTATGATGATGGATGCTACCTTTTCAGCTGTCTATAACAGTTTCAGGGCT
GTATTGGATGTAGCAAATCACTTTTCCCGATTGAAAATACACTTTACAAAAGTGTTTTCA
GCTTTTGCATTGGTTAGGACTATACGGTATCTTTACAGACGGCTACAGCGGATGTTAGGT
TTAAGAAGAGGCTCTGAGAATGAAGACCTCTGGGCAGAGAGTGAAGGAAGTGGGATGC
CTTGGTGTGAGGACCGAGCAGCTACCTCAGCAAAATCTTGGCCAATATTCTTGTCTTT
GCTGTTATCCTTGGTGGTCCTTACCTCATTGGAAACTATTGTCTACTCACAGTGATGAA
GTAACAGACAGCATCAACTGGGCAAGTGGTGAGGATGACCATGTAGTTGCCAGAGCAGAA
TATGATTTTGCTGCCGTATCTGAAGAAGAAATTTCTTCCGGGCTGGTGATATGCTGAAC
TTAGCTCTCAAAGAACAACAACCCAAAGTGCCTGGTGGCTTCTGGCTAGCCTTGATGGC
CAAACAACAGGACTTATACCTGCGAATTATGTCAAATTTCTTGGCAAAAGAAAAGGTAGG
AAAACGGTGGAATCAAGTAAAGTTTCCAAGCAGCAACAATCTTTTACCAACCCAACACTA
ACTAAAGGAGCCACGGTTGCTGATTCTTTGGATGAACAGGAAGCTGCCTTTGAATCTGTT
TTTGTGAAACTAATAAGGTTCCAGTTGCACCTGATTCCATTGGGAAAGATGGAGAAAAG
CAAGATCTTTGA

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Clone variation with respect to NM\_002618.3



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**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_002618 unedited  
 NGGGTTCAAATTTGTATACGACTCATATAGGGCGGCCGGAATTCGCACGAGGAGGAGAT  
 GGCGTCCCAGCCGCCACCTCCCCCAAACCTGGGAGACCCGCCGAATTCGGGAGCCGGA  
 CCGGGACCAGGACCGGGCCCCACTTTCCAATCTGCTGATTTGGGTCCTACTTTAATGACA  
 AGACCTGGACAACCAGCACTTACCAGAGTGCCCCACCTATTCTTCCAAGGCCATCACAG  
 CAGACAGGAAGTAGCAGTGTGAACACTTTTAGACCTGCTTACAGTTCATTTTCTTCTGGA  
 TATGGTGCCTATGGAAATTCATTTTATGGAGGCTATAGTCCTTATAGTTATGGATAAAT  
 GGGCTGGGCTACAACCGCTCCGTGTAGATGATCTTCCACCCAGTAGATTGTTCAGCAA  
 GCTGAAGAAAGCAGCAGGGGTGCATTTTCAGTCCATTGAAAGTATTGTGCATGCATTTGCC  
 TCTGTCTAGTATGATGGATGCTACCTTTTCAGCTGTCTATAACAGTTTCAGGGCTGTA  
 TTGGATGTAGCAAATCACTTTTCCCGATTGAAAATACACTTTACAAAAGTGTTCAGCT  
 TTTGCATTGGTTAGGACTATACGGTATCTTTACAGACGGCTACAGCGGATGTTAGGTTTA  
 AGAAGAGGCTCTGAGAATGAAGACCTCTGGGCAGAGAGTGAAGGAAGTGGCATGCCTT  
 GGTGCTGAGGACCGAGCAGCTACCTCAGCAAAATCTTGGCCAATATTCTTGTCTTTGCT  
 GGTATCCTTGGGGTCTTACCTCATTGAAACTATTGTCTACTCACAGTGTGAAAGT  
 ACAGACAGCATCAACTGGGCAAAGTGGTGAAGGATGACCATGTAGTTGCCAGAGCAGATC

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_002618 unedited  
 CTTCTACAGNAAAATTTATTATTTGACATACTTAAGGTTGGTAAAAAAAAAAAAAAAAATTA  
 CCTTTTGCCTGTTCTCACTGACATGTCACCACTCCATTTCTAAGGATTCGAAGTCAAT  
 TAATGTAGAACTTTTAAAAGTATTAATGATCTCTACTGTACCAAAGTGTGCATGCTATAG  
 TTCATCAATCTTACTCTTCCAATAAACCTAGAGATTTAAATAAGATAAAAATGACAGCAG  
 TCTCCATAATCTTAAAATCTAGGTGAAACAAATGTCCTTATGGTCCAATATGTGTATAA  
 TAAAATGTAACCAAGGTCACCAGACCAACATACTAGTGTGTAACCTTAATAATTTCTAGCA  
 GCAAAACACCTGAAATAGCCAATAACAAATGTTTTATTGGATTGTACATTCATTTCTTT  
 GTGAGAAATAATTTAAAAGTACTCTAAAAGTATTGTTCAACTGCAGGCAAAACATGAAAG  
 ATATCAAAGATCTTGCTTTTCTCCATCTTTCCCAATGGAATCAGGTGCAACTGGAACCTT  
 ATTAGTTTCAACAAAACAGATTCAAAGGCAGCTTCTGTTTATCCAAAGAAATCAGCAAC  
 CGTGGCTCCTTTAGTTAGTGTGGGTTGGTAAAAGATTGTTGCTGCTTGGAACTTTACT  
 TGATTCACCGTTTTCTACCTTTTCTTTGCCAAGAATTTGACATAATTCGAGGTATA  
 AGTCTGTTGGTTGGCCATCAAGGCTAGCCATAGCCCACCCCTTTGGGTTGTGGCC  
 TTTGAGAGCTAATTCACCATATACCGCCCGAAAGAAATTTCTTTTGAACGGCACAAATC  
 ATATCTGCTCTGCAACCTCAGGGATCTACCCTGCCAGGGAGCCGCTGGACTAATACTG  
 GGAGAACAATATTCCAATGGG

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_002618

**Insert Size:**

1860 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:**

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\\_002618.2](#), [NP\\_002609.1](#)

**RefSeq Size:** 1752 bp

**RefSeq ORF:** 1212 bp

**Locus ID:** 5194

**UniProt ID:** [Q92968](#)

**Cytogenetics:** 2p15

**Domains:** SH3, Peroxin-13\_N

**Protein Families:** Druggable Genome

**Gene Summary:** This gene encodes a peroxisomal membrane protein that binds the type 1 peroxisomal targeting signal receptor via a SH3 domain located in the cytoplasm. Mutations and deficiencies in peroxisomal protein importing and peroxisome assembly lead to peroxisomal biogenesis disorders, an example of which is Zellweger syndrome. [provided by RefSeq, Oct 2008]