

## Product datasheet for **SC319367**

### PEX10 (NM\_153818) Human Untagged Clone

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Expression Plasmids                    |
| Product Name:             | PEX10 (NM_153818) Human Untagged Clone |
| Tag:                      | Tag Free                               |
| Symbol:                   | PEX10                                  |
| Synonyms:                 | NALD; PBD6A; PBD6B; RNF69              |
| Mammalian Cell Selection: | Neomycin                               |
| Vector:                   | pCMV6-AC (PS100020)                    |
| E. coli Selection:        | Ampicillin (100 ug/mL)                 |



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**Fully Sequenced ORF:** >OriGene sequence for NM\_153818.1  
 CTGCTCGGGACCACCCGAACCCGCGGCCATGGCCCCGGCCCGCCAGCCCCCGGAGGT  
 GATCCGCGCGGCGCAGAAGGACGAGTACTACCGCGGTGGGCTGCGGAGCGCGCGGGCGG  
 CGCCCTGCACAGCCTGGCGGGTGCAGGAAGTGGCTGGAGTGGAGGAAGGAGTTGAGCT  
 GCTCTCAGATGTGGCCTACTTTGGCCTCACCACACTTGCAGGCTACCAGACCCTGGGGGA  
 GGAGTACGTCAGCATCATCCAGTGGACCATCGCGGATACATGTGCCCTCCTCGCTGCG  
 CCGTGGCGTGCTGGTACGCTGCATGCCGTCTGCCCTACCTGGACAAGGCCCTGCT  
 CCCCTGGAGCAGGAGCTGCAGGCTGACCCCGACAGTGGGCGACCCTTGCAGGGGAGCCT  
 GGGGCCAGGTGGGCGTGGCTGCTCAGGGGCGCGCGCTGGATGCGTCACCACACGCCAC  
 CCTGACTGAGCAGCAGAGGAGGGCGCTGCTGCGGGCGGTCTTCGTCTCAGACAGGGCCT  
 CGCCTGCCTCCAGCGCTACATGTTGCCTGGTTTTACATCCACGGTGTCTTCTACCACCT  
 GGCCAAGAGGCTCAGGGGATCACGTACCAGGCGCTGAGGCCAGATCCCCTCAGGGTCT  
 GATGAGTGTGGCGCCATCTGCCTTACAGCTCCGTGTCCGACGCTGCCCGGAGAGACCT  
 GAGGGCCCGTGTAGCTACAGGCTGCTGGGGGTACTCTACTGCTGCACCTGGTGTGTC  
 CATGGGGTGCAGCTGTACGGTTTCAGGCAGCGCAGCGAGCCAGGAAGGAGTGGAGGCT  
 GCACCGCGGCCTGTCTACCGCAGGGCCTCCTTGAGGAGAGAGCCGTTTCCAGAAACCC  
 CCTGTGCACCCTGTGCCTGGAGGAGCGCAGGCACCCAACAGCCACGCCCTGCGGCCACCT  
 GTTCTGCTGGGAGTGCATCACCGGTGGTGCAGCAGCAAGGCGGAGTGTCCCCTCTGCCG  
 GGAGAAGTTCCCTCCCCAGAAGCTCATCTACCTTCGGCACTACCCTGAGCCGGCGCCCG  
 GGTGGGCTGGACACAGATGACCTCTACGGGAGTCTGAACGCCAAGATTTAGTCTCAGGA  
 TTAACCTTGCTTGACAGAAGTTAGAACACTCTCAGTTTTTTGTCATGTAAGATACTAAC  
 CTAGCCACCCTGGGAGAGAACAGAAAGCTGCCCTGGCTGCACTTTCTCAGCCCTGGGAG  
 GGCGCCTGAACCCAGAACATTTCCCTAACCCCAACCTGGTAGGACTCAGCCACTTCTC  
 AGGAATTTCACTTATTTGGACGGGATTTTAGGTTTCCCTCCCTTCCCAACCATACAGT  
 TGAGAAGTAATTAGAAAGTAGGCCAGAAGACACTTTATTCGTTTTATTGTGAGAAAACA  
 GCCCATCAGGCTTGTGTTAAGGCAATGGACTGAATGAGTGCCTGCTGGGTGGGGTGGG  
 CACGGAGGCTGGCGGGTGTCTCAGCCAGTGCAGTGAACAGCAGCCCCACGGCCCAT  
 GGGAGGCGGGCTGCTCTCCCCAGGGCGGCTGGGCAGAGCACATCCCCAGGACTTGAT  
 GACCACACGGGCGAGAGAAAACCAACCAAGGCCAGCACCTCCGTGGAAGCATTGGCA  
 CACACACCTTCAATACACGTCAAGGTCGCTTCCAGTTTTAGAAAACAGAAATCTGCATCT  
 CAGCCTGAGACGCACAGAGAGTCTCTTCTGACCCAGACGCACTCACGAGCCAGGTCT  
 GGGGGTATGGGGCTGCCAGGGGCGCCGAGCCCTCTCCTGGGGGCGCTGCTGGGCAGGC  
 GACCTGCTGACCCACGGTCACTGCTGTGTTAGCCCTCAGCTCGGCCCCAGCCTATTT  
 CCGCTCCATTTGATGTTTCCAGTTTTCAAACCTGCATTTAACCTGCGCCAGAGAGTTC  
 ACCGTAGGCATCTTAAATAAACTAACTCCAGCAAAATGTGGGTACGTTACTAAAAA  
 AAAAAAAAAA

**Restriction Sites:** Please inquire

**ACCN:** NM\_153818

**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).

**OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

**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\\_153818.1](#), [NP\\_722540.1](#)

**RefSeq Size:** 2094 bp

**RefSeq ORF:** 1041 bp

**Locus ID:** 5192

**UniProt ID:** [O60683](#)

**Cytogenetics:** 1p36.32

**Protein Families:** Druggable Genome, Transmembrane

**Gene Summary:** This gene encodes a protein involved in import of peroxisomal matrix proteins. This protein localizes to the peroxisomal membrane. Mutations in this gene result in phenotypes within the Zellweger spectrum of peroxisomal biogenesis disorders, ranging from neonatal adrenoleukodystrophy to Zellweger syndrome. Alternative splicing results in two transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008]  
Transcript Variant: This variant (1) encodes the longer isoform (1) of this protein.