

## Product datasheet for **SC319462**

### PEX16 (NM\_004813) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PEX16 (NM_004813) Human Untagged Clone
Tag:	Tag Free
Symbol:	PEX16
Synonyms:	PBD8A; PBD8B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_004813.1  
 CGAGGGCAGGATGGAGAAGCTGCGGCTCCTGGGCTCCGCTACCAGGAGTACGTGACTCG  
 TCACCCGGCCCGCCACGGCCAGCTGGAGACAGCAGTGCGGGGCTTCAGTTACCTGTGGC  
 AGGTTCGATTCGCCGATTGACGACGAGCTGTGAGAGCTGGTGTACTCTGCCTCTAACCTGCT  
 TGTGCTGCTCAATGACGGGATCCTACGGAAGGAGCTTCGGAAAAAGTTGCCTGTGTCGCT  
 GTCCCAGCAGAAGCTGCTGACATGGCTGAGCGTGTGGAGTGCCTGGAGGTGTTTCATGGA  
 GATGGGAGCTGCCAAGGTGTGGGGTGAAGTGGGCCGCTGGCTTGTTCATCGCCCTCATCCA  
 GCTGGCCAAGGCTGACTGCGGATGCTCCTGCTGCTCTGGTTCAAGGCTGGCCTCCAGAC  
 TTCACCCCTATCGTTCCACTGGACAGAGAGACCCAGGCACAGCCCCGGATGGTGACCA  
 CAGCCCTGGCAACCATGAGCAGTCTACGTGGGAAGCGGTCAAACCGGGTGGTGCAGAAC  
 CCTCCAGAACACGCCGCTCCTGCACTCCAGGCACTGGGGAGCTCCCCAGCAGCGGGAGGG  
 ACGGCAGCAGCAGCATACGAGGAGCTGAGTGCGACCCCAACCCCTGGGGCTGCAGGA  
 GACCATCGCAGAGTTTTGTACATTGCCCGGCCGCTGCTGCACTTGTCTAGCCTGGGCT  
 GTGGGGTGCAGAGGTGCTGAAACCTGGCTCTTGCTGGTGTGGACGTGACCAAGCCT  
 GAGCCTCTGAGTGACAGAAAGGGCCTGACCCGGAGGGAGCGCGGGAGCTGCGGCGCCG  
 GACCATCTGCTGCTCTACTACCTGCTGCGCTCTCCTTCTACGACCGCTTCTCCGAGGC  
 CAGGATCTCTCCTGCTCCAGTTGCTGGCCGACCACGTCCTGGCGTTGGCCTGGTCCAC  
 AAGGCCGCTCATGGATTACTTGCCACCTGGCAGAAAACTACTTCTACAGTTGGGGCTG  
 ACAGACCTCCCGAAGGAGGGTGTGGGGAGGGTGGGGCAGGGAGCCCTCTCCCTAAT  
 AAAACTGACTCCGGCAGCGAAAAA

Restriction Sites:	Please inquire
ACCN:	NM_004813



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<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>OTI Annotation:</b>	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.
<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_004813.1</a> , <a href="#">NP_004804.1</a>
<b>RefSeq Size:</b>	1361 bp
<b>RefSeq ORF:</b>	1011 bp
<b>Locus ID:</b>	9409
<b>UniProt ID:</b>	<a href="#">Q9Y5Y5</a>
<b>Cytogenetics:</b>	11p11.2
<b>Gene Summary:</b>	<p>The protein encoded by this gene is an integral peroxisomal membrane protein. An inactivating nonsense mutation localized to this gene was observed in a patient with Zellweger syndrome of the complementation group CGD/CG9. Expression of this gene product morphologically and biochemically restores the formation of new peroxisomes, suggesting a role in peroxisome organization and biogenesis. Alternative splicing has been observed for this gene and two variants have been described. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (1) uses an alternate terminal exon. The encoded isoform (1) is shorter than isoform 2 and has a unique C-terminus.</p>